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GROWING GUIDE: SEEDS

HIGHTIMES

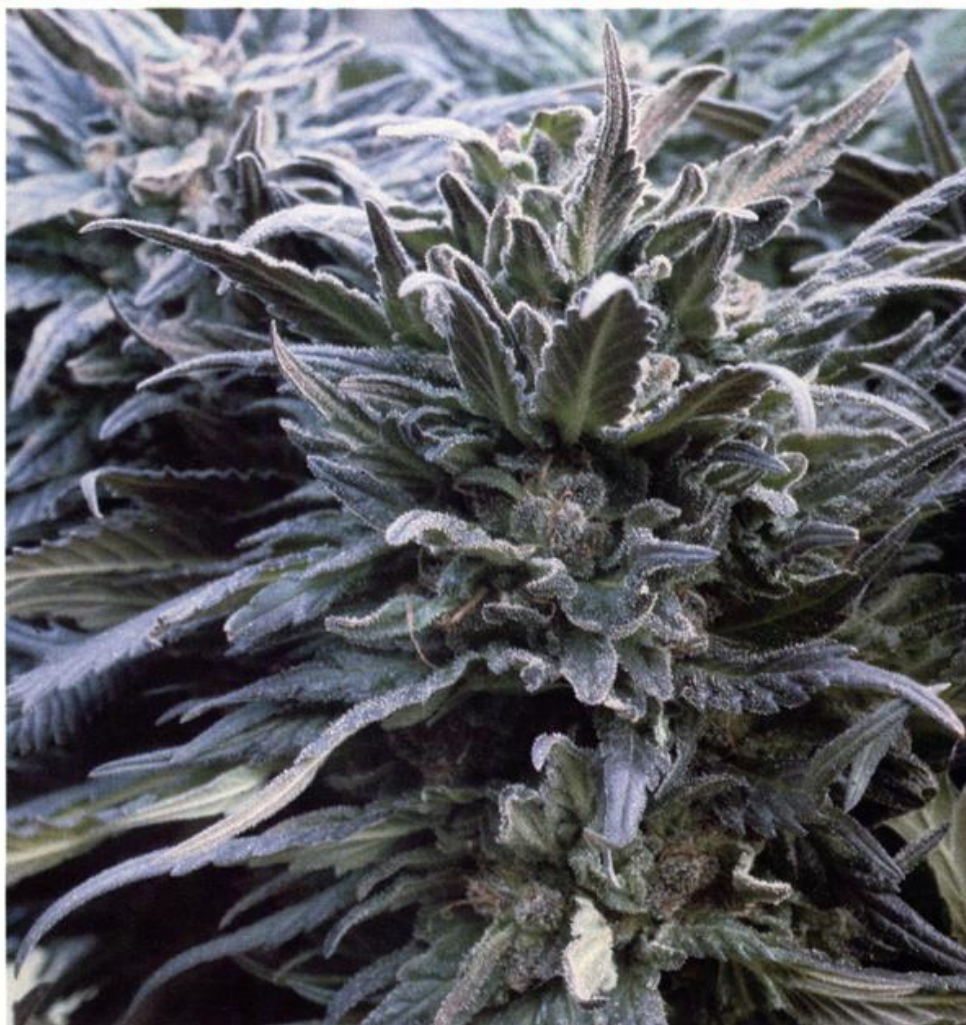
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JANUARY 1989

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SELECTING A VARIETY TO GROW

by Mel Frank



- **STARTING FROM SEED**
- **CULTIVATOR'S REPORT**
- **DRUGS IN WASHINGTON: McCARTHYISM RETURNS**
- **HOW TO THROW A POT PROTEST**
- **BEN MASEL: COUNTERCULTURE HERO OF THE YEAR**

See Highwitness News p. 19



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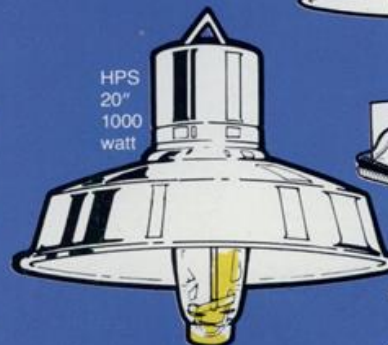
46" Super
Reflective
Aluminum
Hood



20" Horizontal
Super Reflective
Hood



MH
14"
400
watt



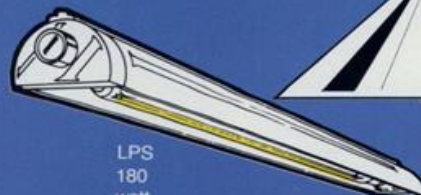
HPS
20"
1000
watt



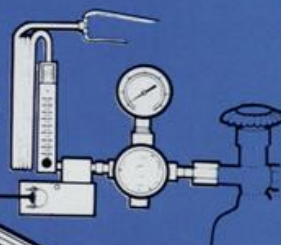
MH
Deluxe
Ballast



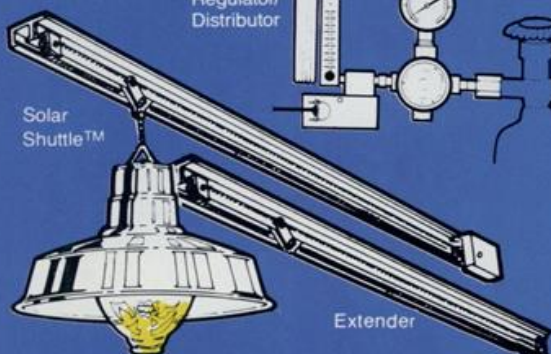
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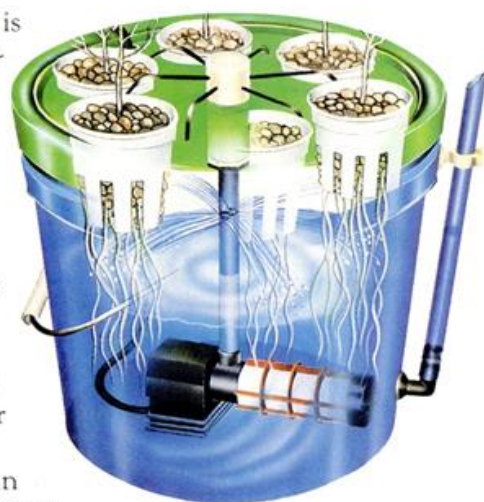
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No. 161 CONTENTS

JAN. 1989

FEATURES

WHY PROHIBITION HAS FAILED

by Marvin C. Miller, Esq. 32
The Rangel Hearings on Drug Legalization were a sham; NORML still thinks the "war on drugs" is a losing battle.

1989 — THE YEAR OF PROTEST

by Ed Hassle 36
Will the Omnibus Drug Bill provoke large-scale cannabis protests? Let's hope so. It certainly has Ed in a frenzy.

INTERVIEW: BEN MASEL

by John Holmstrom 40

HOW TO ORGANIZE A POT PROTEST

by Ben Masel 42

SELECTING A VARIETY TO GROW

Story and photographs by Mel Frank 43
Thanks to the seed companies, you have your choice of varieties from around the world. Here's a guide to every single one.

STARTING FROM SEED

by Kyle Roq 64
Now that you've selected your variety, here are Kyle's tips on getting it started. Another installment from the world's wackiest pothead.

COLUMNS DEPARTMENTS

PAGE SIX

by Steve Hager 6

LETTERS 14

ONE MAN'S DOPE

by Dean Latimer 21

NORMLIZER

by Jon Gettman 23

OUTLAW NATION

by Ed Rosenthal 24

ASK ED

by Ed Rosenthal 52

CULTIVATOR REPORTS: PLANT
VACCINES 54

HIGH ART

by Carlo McCormick 62

READER REPORT 70

HIGHWITNESS NEWS

edited by Steve Bloom 19

Notes on the Omnibus Drug Bill—who voted against it and how it will affect you. Plus, HIGH TIMES banned in Canada. Albert Hofmann Foundation holds benefit and rallies to attend.

TRANS-HIGH MARKET QUOTATIONS 26

TRANS-HIGH MARKET
LETTERS 27

CENTERFOLD 50

PRODUCTS 69

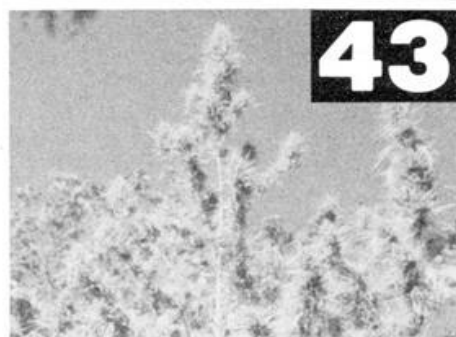
CLASSIFIEDS 78

BOOKSTORE 80

THE ULTIMATE PARTY MAGAZINE

edited by John Holmstrom 89

On the cover:
A variety of Purple
Indica (photograph
by Mel Frank).



The Beauty
and the Beast
join the Party!
(see page 89)





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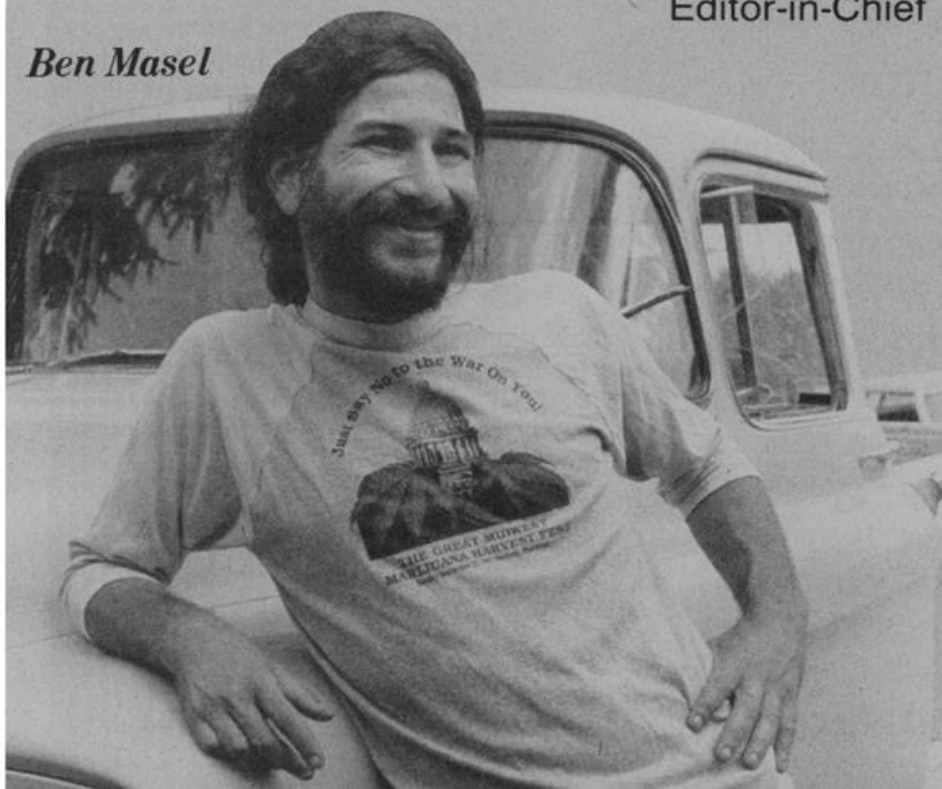
PAGE SIX

Since *Time* magazine bestows a person-of-the-year award around this time every year, we figured it was appropriate to inaugurate the Counterculture Hero of the Year Award. *Time's* prize winner is selected by the management of Time-Life, Inc., but in the future we'd like our winner to be chosen by the people. So, next September, we'll publish a ballot with our annual readers' survey. For 1989, however, we took the liberty of letting the HIGH TIMES staff pick the winner.

If 1989 is truly the year of protest (see page 36), then Ben Masel certainly qualifies as our counterculture hero. Almost single-handedly Ben has kept the cannabis reform protest movement alive. His annual Midwest Harvest Festival in Madison, Wisconsin, is an event no self-respecting pothead should miss. At this year's Madison Rally, HIGH TIMES will be accepting votes for the 1990 Counterculture Hero of the Year. Hope to see you there!

Steve Hager
—Steve Hager
Editor-in-Chief

Ben Masel



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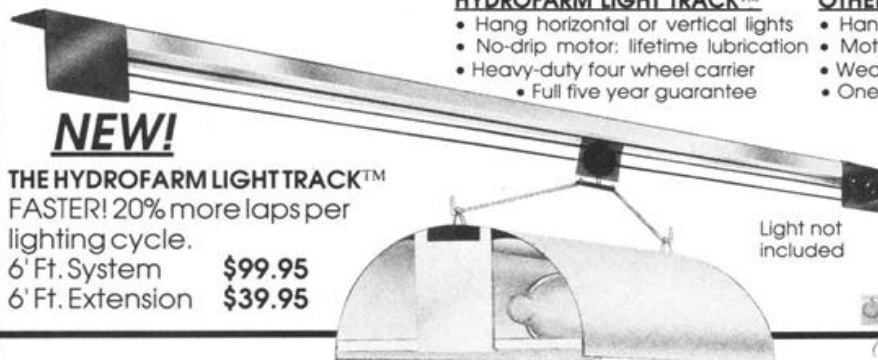
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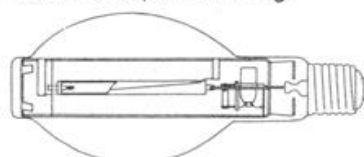
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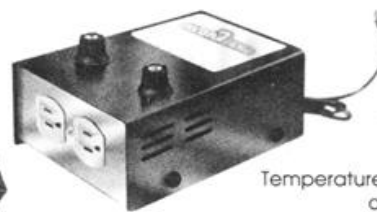


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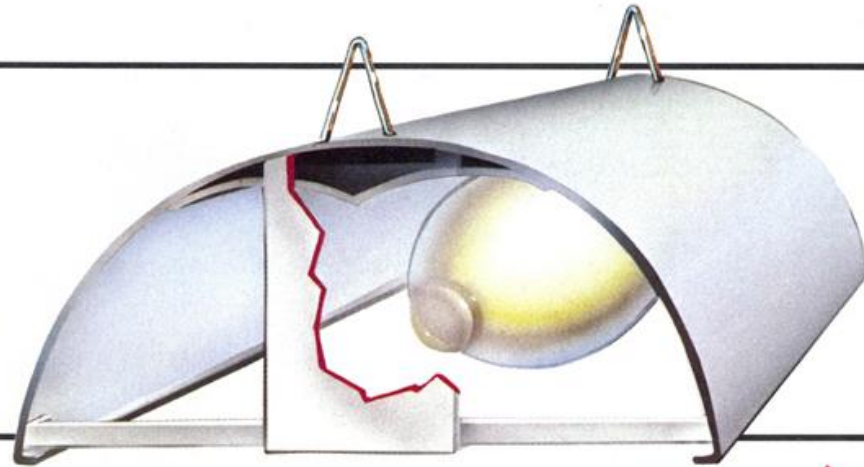
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- Comes with 30" extension probe and instructions **\$29.95**



**NEW 1989
COLOR CATALOG
FREE!**

Other grower-proven **HYDROFARM** products also available (see catalog): • 45" Vertical Reflectors • Hydrofarm Cutting Concentrate + Starter kit • Grow and Bloom Nutrients • Air Cleaner • Digital pH Pen • Vent Fans • Geolite • Rockwool • Mylar, etc.

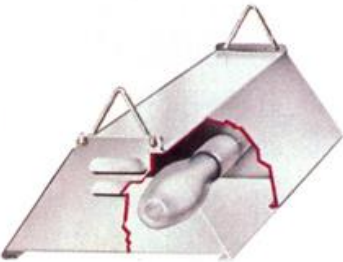
GROW WITH THE BEST



THE HYDROFARM GROW WING™ (pat. pend.)

Delivers more light intensity than any other reflector, horizontal or vertical!

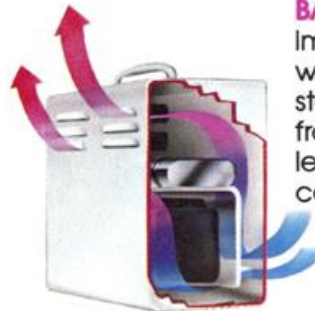
- Horizontal system with double parabola design for the most efficient light reflection—**THE BEST!**
- Low profile for more vertical growing space
- Electro-white finish for permanent, uniform light distribution
- Strong steel construction for level lamp support
- Adjustable lamp position bracket
- **Safety-First** HYDROFARM wiring system.



MINI-HORIZONTAL

Choose 175 watt metal halide or 150 watt HPS system.

- Horizontal efficiency
- Built-in ballast
- Electro-white finish
- Ready to plug into any 120V outlet. \$109.95



BALLAST (Included)

Improved design with double-wall steel construction, front and rear bi-level louvers, all UL components.

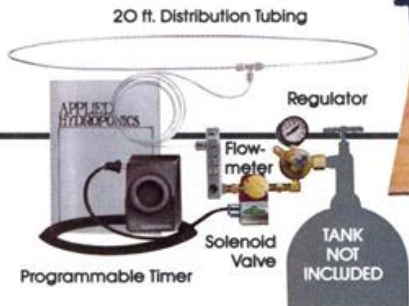
LIGHTING SYSTEMS

1000 MH	\$199.95
400 MH	149.95
1000 HPS	264.95
400 HPS	189.95

THE HYDROFARM QUANTUM™ (pat. pend.)

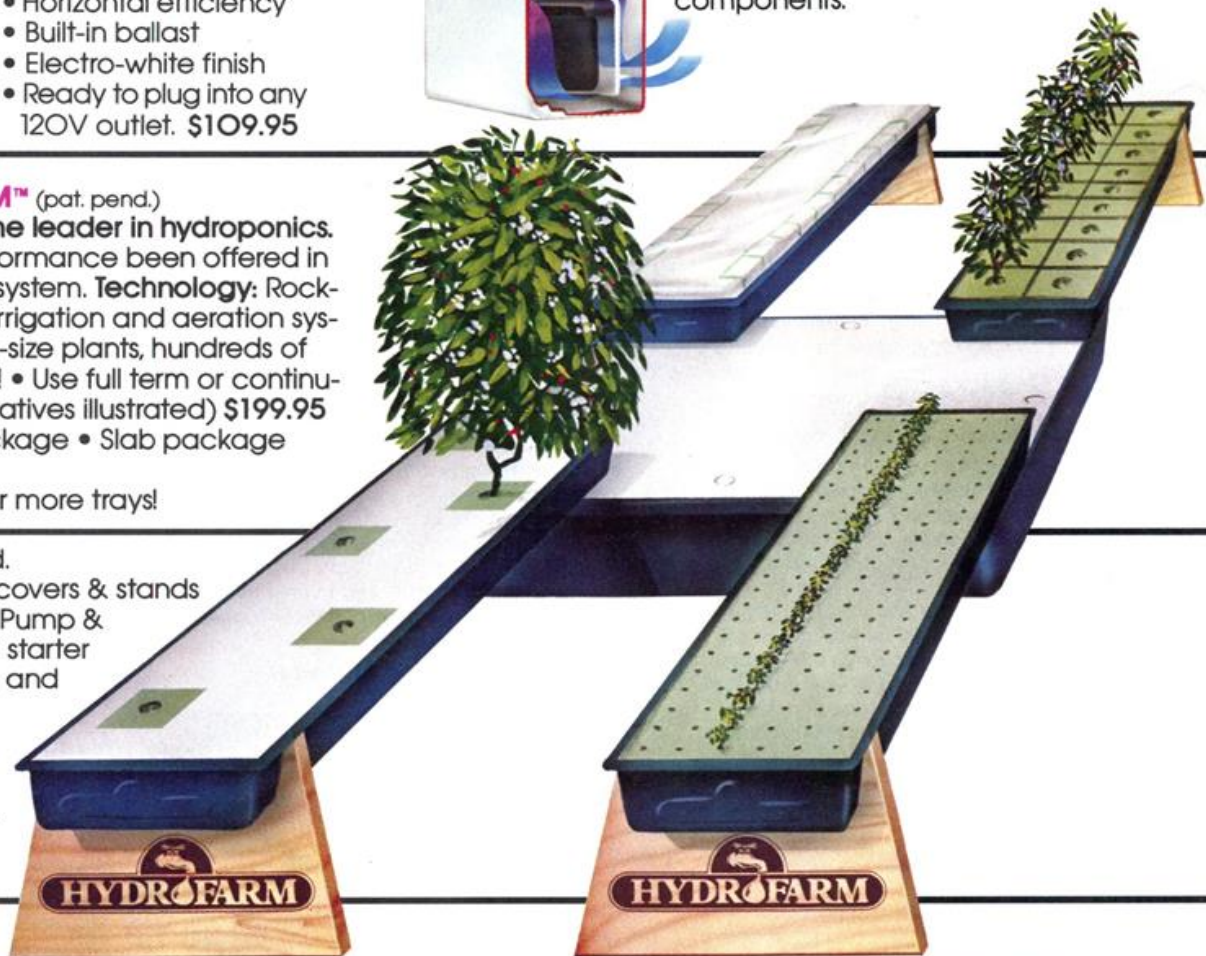
The next generation from the leader in hydroponics. Never before has peak performance been offered in such a reliable, easy-to-use system. **Technology:** Rockwool medium • Multi-ridge irrigation and aeration system. **Versatility:** Grow 20 full-size plants, hundreds of cuttings, or up to 600 starts! • Use full term or continuous harvest methods (alternatives illustrated) \$199.95 **Options:** Ebb and Flow package • Slab package • Geolite package. **Expansion:** Add on up to four more trays!

Nothing extra to buy or build. Comes with: • 4 grow trays, covers & stands • 25 gal. reservoir & cover • Pump & irrigation system • Rockwool starter & growing cubes • Nutrients and complete instructions



HYDROFARM CO₂ SYSTEM

- Fertilize the air
- Double growth and flowering
- Unique programmable timing \$149.95



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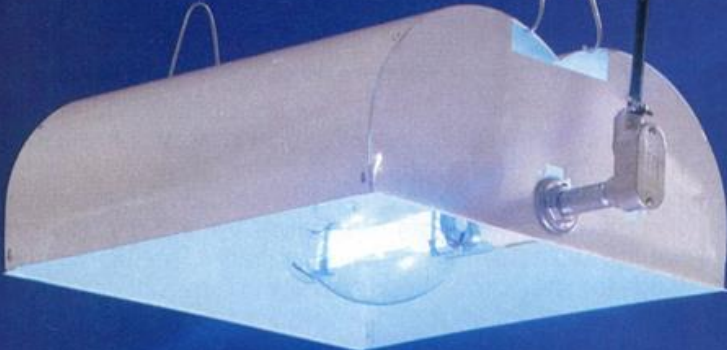


COD



CA & PA residents add 6% sales tax. All prices plus shipping.

MAX-89 "THE ULTIMATE HORIZONTAL"
89% increase in light output
 Double Arc, low profile, adjustable, electro-white ▽



Mini-Horizontal (20"X 10"x 6")
 ◀ Compact Yet Powerful

Compare Quality & Price
you are saving 5% to 40%

Heavy Duty Ballast ▶
 With 38 cooling louvers



CO2 Enrichment System

HAMILTON'S GROW LIGHTS ARE THE NEW #1 IN THE U.S.A.

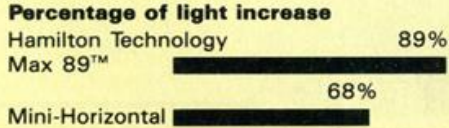
Only Hamilton has been honored for having its Horizontal Lighting Systems exhibited at the 1988 Hydroponic Society of America convention

A good grow light is the key to your indoor growing success

It is well known that Metal Halide and High Pressure Sodium full spectrum lights, especially in a horizontal system, are the best lights to promote good plant growth and to increase bud and flower production. All other lighting systems including fluorescent are too weak to supply enough light for budding and flowering.

How to get maximum light output

Hamilton has perfected the ultimate horizontal reflector: **Max 89**. The unique double arc "v" design and the super reflective finish of **Max 89** give a remarkable **89% increase in light output** over vertical mounted lights. It is not possible to design a reflector that can give more light than **Max 89**. Its ventilation design assures a longer bulb life. Every **Max 89** has an adjustment feature which allows you to regulate light to meet the requirements of your growing area with either more concentrated or more diffused light. **Max 89** has a low profile design that actually leaves more vertical space for plant growth.



NEW! Conversion HPS Bulbs that work in Metal Halide Systems

Convert your existing Metal Halide System into High Pressure Sodium by simply changing a bulb. These conversion bulbs have the same spectrum, high lumen output and long life as regular high pressure sodium while using less electricity.

1000w \$129⁹⁰—400w \$59⁹⁰—175w \$57⁹⁰

Mini-Horizontal MH175 or HPS150

Compact (built-in ballast), economical, yet powerful. Ideal for small growing areas, side lighting, and cuttings (reg. \$119)**only \$95.⁰⁰**

How to get highest quality products

Our UL approved ballast components are mounted on a heavy 14 gauge steel panel with strong studs to insure whisper-quiet performance and durability. The single heavy panel acts as an excellent heat dissipator, unlike thin, double-walled heat traps that vibrate and echo irritating noise. The 3-way, 38 bi-level louvered enclosure gives maximum cooling air flow for longer ballast life. These louvers give better protection against water splash and dirt entry than screen or slot type systems. Our ballasts come with a rust protective white finish.

Comparison of Ballast Enclosure

Hamilton Technology	38 bi-level louvers, 3 way
Competitor A	12 louvers
Competitor B (no louvers, slot type)	

Better safe than sorry

Many poorly designed lighting systems become fire hazards with increased use. Hamilton's UL approved heavy-duty, high temperature resistant lamp cords are not only 220° F./600 volt but have an "STO" safety and durability rating. For utmost safety, lamp cords are connected 4" away from the socket in a protective junction box to prevent fire from lamp heat build up.

Best value at Hamilton

Hamilton offers quality products at the lowest prices. Why should you pay inflated prices for inferior products? Order from our large selection of light and hydroponic systems on **Page 12**.

COMPARE PRICE & SAVE WITH HAMILTON

Metal Halide 1000w from \$139.95 to \$179.95
Metal Halide 400w Deluxe \$129.95
Combination MH 400w/HPS 400w \$299.00
High Pressure Sodium 1000w Deluxe \$255.95
High Pressure Sodium 400w Deluxe \$174.95
Mini-Horizontal MH 175w or HPS 150w \$95.00

CO2 Enrichment System

Increasing CO2 in the air speeds plant growth dramatically and doubles budding and flowering. Fully assembled unit includes: Regulator, Gauge, Solenoid Valve, FlowMeter, Tubing, Instructions. (Timer optional \$7). **Sale \$129⁹⁰**

Satisfaction guaranteed

Order from Hamilton with confidence that our systems are of exceptional quality, performance and value. Our light systems will perform beyond your greatest expectations. We fully guarantee your complete satisfaction with our **30-day money back policy**. Our lighting systems are **guaranteed for 5 years** (bulb 1 year).

Fast COD or Credit Card delivery by UPS anywhere Large inventory. Now... Shipping in 24 hours.

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(800) 458-7474

HAMILTON TECHNOLOGY CORP.
14902 S. Figueroa St., Gardena, CA 90248

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Los Angeles, CA buy direct from factory	
14902 S. Figueroa St., Gardena, CA	(213) 217-1191
Atlanta, Georgia:	(404) 928-4769
Hy-dro-Gro Mini-Farm, 6525 Bells Ferry Road, Woodstock	
Columbus, Georgia:	(404) 324-4769
Hy-dro-Gro Mini-Farm, Route 1, Cataula,	
(2 miles North of Columbus on Hamilton Road)	
Denver, Colorado:	(303) 744-6400
Thomas Floral, 1 Broadway #108	
Richmond, Virginia:	(804) 359-4776
T.C. Gallery, 3318 West Broad Street	
• Prices may vary at stores	

METAL HALIDE COMPLETE GROWLIGHT SYSTEMS

1000 WATT SYSTEMS

DELUXE—46" round or parabolic 20" horizontal	184.50
STANDARD—18" White Enamel Reflector	167.50
ECONOMY—2"x3' Polished Aluminum Reflector	144.50
To upgrade to a 125,000 lumen- 12,000 hour Superbulb	Add 15.00
Phosphorous coated bulbs	Add 6.00

400 WATT SYSTEMS

DELUXE—14" White Enamel Reflector	134.50
STANDARD—14" White Enamel Reflector	124.50
ECONOMY—2"x3' Polished Aluminum Reflector	109.50
To upgrade to a 40,000 lumen- 20,000 hour Superbulb	Add 10.00
Phosphorous coated bulbs	Add 6.00

MINI-MIGHT METAL HALIDE 175 WATT



HIGH PRESSURE SODIUM COMPLETE GROWLIGHT SYSTEMS

DELUXE 1000 Watt—46" round or parabolic 20" horizontal	269.50
DELUXE 400 Watt—14" Reflector	189.50
MINI-MIGHT 150 Watt (16,000 lumens)	99.00

LOW PRESSURE SODIUM COMPLETE GROWLIGHT SYSTEMS

DELUXE 180 Watt Low Pressure Sodium Light	195.00
--	--------

LIGHT MOVERS



6" Solar Shuttle	99.00
6" Solar Shuttle Extender	39.95
Solar Shuttle Motor	22.00
Whirligig Light Turret	119.00
Sun Circle Light Rotator 360°	
One revolution every 40 minutes.	
1 Arm	139.00
2 Arm	199.00
3 Arm	256.00

TIMERS

Paragon 15 amp/120 volt	14.95
Dayton 15 amp/120 volt	19.95
Dayton 40 amp/120 volt	37.95
Dayton 40 amp/240 volt	39.95
Cycle Timer 1-60 min. on/off	79.00

BULBS

METAL HALIDE BULBS

M175—15,000 lumens-20,000 hours	29.00
M400—34,000 lumens-20,000 hours	36.95
MS400—40,000 lumens-20,000 hours	45.95
M1000—110,000 lumens-12,000 hours	54.95
MS1000—125,000 lumens-12,000 hours	69.95
Phosphorous Coated Bulbs	Add 6.00

HIGH PRESSURE SODIUM CONVERSION BULBS



Now available. An energy saving sodium bulb that runs off your existing Metal Halide ballast.	
175w—15,000 lumens-24,000 hours	59.00
400w—50,000 lumens-24,000 hours	69.00
1000w—140,000 lumens-24,000 hours	139.00

HIGH PRESSURE SODIUM BULBS

LU150—16,000 lumens-24,000 hours	39.00
LU400—50,000 lumens-24,000 hours	52.95
LU1000—140,000 lumens-24,000 hours	94.95

LOW PRESSURE SODIUM BULBS

180 Watt—33,000 lumens-24,000 hours	95.00
-------------------------------------	-------

We're celebrating our 10th Anniversary with a 5% discount on all items. Plus a 5 year warranty on all lighting systems. (One year warranty on bulbs.)

VITA LITE

4-ft. power twist, 40 Watt	13.95
Case of six	75.00

REFLECTORS

(complete with socket and cord)

46" polished aluminum or white	49.00
20" horizontal	49.00
20" adjustable white	40.00
18" white	30.00
14" white	25.00
48" Parabolic hood	49.00
4"x4' square polished aluminum	115.00
5"x5' square polished aluminum	130.00

BALLASTS

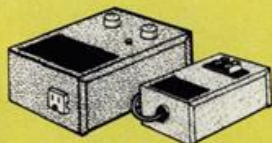
Metal Halide Ballasts (110v or 220v available)	
Deluxe 1000w (includes power supply)	115.00
Stan. 1000w	105.00
Econ. 1000w (uncovered)	97.00
Deluxe 400w (includes power supply)	95.00
Stan. 400w	85.00
Economy 400w (uncovered)	70.00
Ballast cover	10.00
High Pressure Sodium Ballasts (110v or 220v avail.)	
Deluxe 1000w	170.50
Deluxe 400w	125.50

HYDROPONIC SYSTEMS

4 unit hydrospot	208.00
8 unit hydrospot	295.00
Each additional hydrospot	16.00

SUBMERSIBLE PUMPS

#2P495-120 GPH.	37.95
#1P553-140 GPH.	39.95
#1P321-300 GPH.	56.95



SURGE SURVIVAL SYSTEM

Command Module with one Remote Module (120 or 240 volts)	139.00
Additional Remote Modules (120 or 240 volts)	ea. 45.00

METERS

PH Digital Meter	75.00
Dissolved Solids Digital Meter	75.00
Light Intensity Meter	24.99
Plant Computer	19.95
PH Computer	19.95
Soil Salts Meter	20.99
Moisture Meter	11.95
MIN/MAX Thermometer	32.95
Taylor 4" Barometer	39.95
Fertilizer Analyzer	20.99
Humidity Gauge	21.95
Deluxe Humidity and Temperature Gauge	36.95
CO ₂ Gas Detector System (2 analyzer tubes incl.)	19.95
CO ₂ Analyzer Tubes	3.75
CO ₂ Tester	8.99



SOIL AND LIQUID TESTERS

Sudbury Soil Test Kit (Tests Ph, N, P, K)	14.95
Sudbury Soil PH Tester	3.99
Tetra Test Liquid PH Tester	3.95
Wardley Jr. Liquid PH Tester	3.95
Wardley Sr. PH Test Kit	5.99
Penn Plax Test Strip for Liquid PH	2.75

FANS AND BLOWERS

Ventilator fan with Thermostat (14" 900 CFM)	69.95
Squirrel Cage-15 CFM.	21.95
Squirrel Cage-50 CFM	29.95
Squirrel Cage-100 CFM	43.95
Squirrel Cage-160 CFM	54.95
Squirrel Cage-200 CFM	69.95
Squirrel Cage-265 CFM	69.95
Squirrel Cage-320 CFM	74.95
Squirrel Cage-465 CFM	79.95
Squirrel Cage-525 CFM	89.95
Squirrel Cage-960 CFM	159.95
Thermostat	19.95
Auto Flo Humidistat	34.95

CO₂ SYSTEMS

CO ₂ Regulator/Distributor	139.00
E.S.U. CO ₂ Generator (up to 500 sq. ft.)	324.00
Johnson CO ₂ Generator (up to 4800 sq. ft.)	499.00

CHARCOAL FILTER SYSTEMS

Skunk Buster #100	109.00
Skunk Buster #200	169.00
Skunk Buster #400	225.00

NEGATIVE ION GENERATORS

Airease	49.95
Pulsair	99.00



GROWING SUPPLIES

Mylar (Double-sided 99% reflectivity)	
4"x50" roll	29.00
4"x100" roll	49.00
Mini Grow House	14.95
Rock Wool	
2"x2" Cubes	20
3"x3" Cubes	39
3"x4" Cubes	49
40 lb. Bale	39.00
Rock Wool Slabs	
3"x6"x3"	4.99
3"x8"x3"	6.99
3"x12"x3"	10.99
Grow Bags	
2 Gallon Grow Bag	39
5 Gallon Grow Bag	59
7 Gallon Grow Bag	65
10 Gallon Grow Bag	69
Alka Liche	
1 quart	6.95
1 gallon	16.99
Safer Soap Insect Spray	
8 oz. spray	2.99
8 oz. concentrate	6.75
Rootone Hormone Rooting Powder (4 oz.)	1.69
Jiffy 7 Peat Pellets (2 doz.)	2.40
Will Pruf Plant Protector (Keeps leaves from burning)	
14 oz. Spray	5.49
1 pint concentrate	8.99

BLACK GOLD FERTILIZER

All Organic 1.5 cu. ft.	8.99
Pure Earthworm Castings 20 quarts	13.95

NUTRIENTS

Greenleaves All Purpose Liquid Nutrient— ideal for all stages of growth. Use with soil or hydroponic systems.	
12 oz. bottle	3.95
1 gallon	19.95
Super Bloom Liquid Greenleaves 10-40-10	
12 oz. bottle	5.95
1 gallon	24.95
E.S.U. Dry Concentrate—concentrated water soluble fertilizer, 1 teas. per gallon, 1 pound makes 100 gallons.	
Grow (20-6-16) Bloom (9-21-12) All Purpose (16-12-16)	
8 oz.	3.95
5 lbs.	19.95
25 lbs.	79.00

ROOTING FORMULA

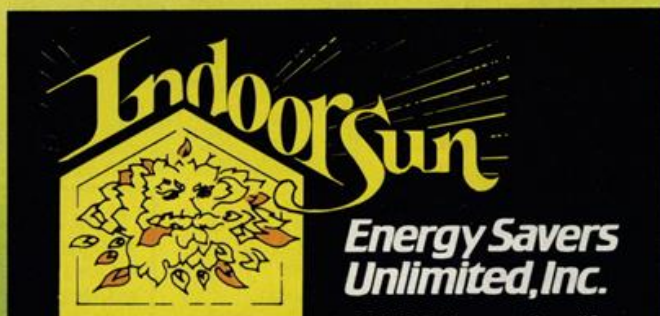
Great Roots—Super liquid rooting formula (with rooting hormones and minerals) 2 part	
13 oz. total	14.95

BOOKS

Gardening Indoors	14.95
Beginning Hydroponics	7.95
Hydroponic Gardening	7.95
Hydroponic Food Production	24.95

INDUSTRIAL CATALOG

(\$5.00 refunded with first order from catalog)	5.00
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labor guarantee. 30 day money back guarantee. C.O.D.
welcome—No deposit required.

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THE SECRET OF SUCCESSFUL INDOOR GROWING

the easy Hamilton way...

Grow bigger, healthier plants faster.

PROVEN RESULTS: Metal halide and high pressure sodium lights create the highest intensity, best quality sun's full spectrum - indoors. Fluorescent systems are weak, inefficient and do not give your plants enough light lumens for good growth and flowering.

COMPARE & SAVE!

Highest quality products at lowest prices

METAL HALIDE: Best for fast plant growth.

SALE

MH 1000 Watt Basic System (Reg. \$182) **\$139.95**
High quality, assembled, QUIET, open ballast; 20' lamp cord; power cord; socket; 110,000 lumen / 12,000 hr. bulb. (For SUPER BULB, 14% brighter add \$14.00)

MH 1000 Watt Professional System (Reg. \$210) **\$165.95**
18" Dome reflector (for 22" adjustable Dome reflector add \$5.95). High quality, assembled, QUIET, ventilated ballast box; 20' lamp cord; 110,000 lumen / 12,000 hr. bulb. (For SUPER BULB, 14% brighter, add \$14.00).

MH 1000 Watt Deluxe System (Reg. \$238) **\$179.95**
Choice of 24" Horizontal, 48" Parabolic, or MAX-89 reflector. High quality, assembled, QUIET, ventilated ballast box with GROUNDED 6-OUTLET, ON-OFF CONTROL, 15Amp. PROTECTIVE CIRCUIT BREAKER; 20' lamp cord; 110,000 lumen / 12,000 hr. bulb. (For SUPER BULB, 14% brighter, add \$14.00).

MH 400 Watt Deluxe System For small area up to 4'X4' (Reg. \$151) **\$129.95**
24" Horizontal reflector (for MAX-89 or 48" Parabolic add \$9.95). High quality, assembled, QUIET, ventilated ballast box; 20' lamp cord; 34,000 lumen / 20,000 hr. bulb. (For SUPER BULB, 18% brighter add \$10.00).

HIGH PRESSURE SODIUM: Increases budding & flowering

HPS 1000 Watt Deluxe System (Reg. \$317) **\$255.95**
Choice of: 24" Horizontal, 48" Parabolic, or MAX-89 reflector. High quality, assembled, QUIET, ventilated ballast box; 20' lamp cord; 5KV socket; 140,000 lumen / 24,000 hr. bulb. Our most powerful light for flowering

HPS 400 Watt Deluxe System (Reg. \$215) **\$174.95**
24" Horizontal reflector (for MAX-89, or 48" Parabolic add \$9.95). High quality, assembled, QUIET, ventilated ballast box; 20' lamp cord; 50,000 lumen / 24,000 hr. bulb.

COMBINATION MH/HPS SYSTEM: Perfectly blended lights

Combo MH 400 / HPS 400 Deluxe System (Reg. \$378) **\$299.00**
Two bulbs under 24" Horizontal reflector, a MH 400 & a HPS 400; QUIET, remote ballasts. (For MAX-89 reflector add \$9.95) (For Combo MH 1000 / HPS 400 Deluxe add \$69.00).

Combo MH 1000 / HPS 1000 MAX-89 System (Reg. \$542) **\$425.95**
Two 1000w bulbs under MAX-89 reflector; QUIET, remote ballasts, etc. Our best system.

MINI-HORIZONTAL: MH 175w OR HPS 150w (Reg. \$119) **\$95.00**
Compact yet powerful, 20" X 10" X 6", electro-white, built-in ballast, economical to operate.

Grounded Light Timer, heavy duty, 15 Amp (Reg. \$20) **\$14.50**

LIGHT MOVERS: More light coverage to grow more plants.

Motorized Lite Track™-Double your light coverage. (Reg. \$99) **\$93.95**
Best single light mover; 6' track; covers up to 8'X10'. (EXTENDER for 2nd light \$38.95)

SunCircle2™-Increases flowering by blending MH&HPS (Reg. \$199) **\$187.95**
Two lights rotate continuously in full circle; coverage: 8'X8' up to 12'X12'.

SunCircle3™-Eliminates hot and dark spots (Reg. \$269) **\$245.00**
Three lights rotate continuously in full circle; coverage: 10'X10' up to 15'X15'.

HYDROPONICS: Our customers say their plant yields are three times greater and two times faster with Hamilton's automated "flood / drain" HYDROPRO system. Roots are provided maximum direct nutrition and aeration without soil. No soil pests, no soil orders, no weeding!

HYDROPRO SINGLE™: Ideal for 4 adult plants; min 2'X2' area (Reg. \$84) **\$68.95**
Includes: pump, grow & bloom nutrients, timer, pH test kit, seed starter, instructions, etc.

HYDROPRO 4™: grow up to 16 adult plants; 3'X9' or 7'X7' area (Reg. \$199) **\$187.95**
Includes: submersible pump, grow & bloom nutrients, timer, pH test kit, Jiffy 7, manual, etc.

NEW HPS BULBS That work in metal halide systems!
1000 Watt (Reg. \$140) **\$129.50** 400 Watt (Reg. \$70) **\$59.50**

CO₂ Enrichment System: Increases growth by 40% (Reg. \$160) **\$129.95**
Includes: Regulator, flow meter, solenoid valve, delivery tubes, manual.

FREE INDOOR GARDENING BOOKLET
With any system purchased

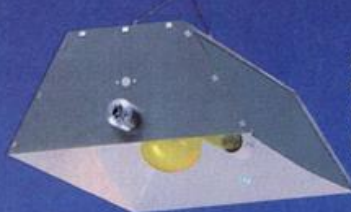
ION GENERATORS: Clean growing area of smoke, odors, pollen & pollutants.
AirEase\$49.95 Pulsair\$96.50 Phase3 for max. odor elimination \$119.00

DIGITAL pH PEN: Instant accurate reading (Reg. \$97) **\$58.95**

DIGITAL Dissolved Solids (Conductivity) PEN (Reg. \$97) **\$58.95**

ROCKWOOL • GROW & BLOOM NUTRIENTS • MYLAR • BULBS • TIMERS • BLOWERS • GROWING SUPPLIES, etc. Call for Price.

12 **FREE CATALOG**



24" HORIZONTAL:
52% more light than 45"!!
Ventilated, adjustable, electro-white
(24"X 20"X 10")



MAX-89 "THE ULTIMATE HORIZONTAL"
"DOUBLE ARC" for greatest efficiency,
low profile, adjustable, electro-white

5% TO 40% DISCOUNT
on all regular prices



Mini-Horizontal
20"X 10"X 6"



48" PARABOLIC, Ventilated,
18% more light than 45" cone



Metal Halide

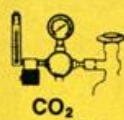


High Pressure Sodium



HydroproSingle

Hydropro4



CO₂



AirEase



Pulsair

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ESU

Indoor Sun Chronicle

WINTER 1988

MAJOR BREAKTHROUGH IN CLONING TECHNOLOGY

Energy Savers Unlimited is proud to introduce GREAT ROOTS, the miracle liquid formula for rooting cuttings. There is nothing artificial or synthetic about GREAT ROOTS. Only naturally occurring hormones and vitamins with the greatest biological activity are used in the preparation. Compounds like indole-3-acetic acid, 6-r,r dimethylallylaminopurine, and a host of other ingredients including nucleotides, carbohydrates and amino acids, acting in concert to produce the most vigorous and luxuriant roots from your favorite cuttings by physiologically stimulating root primordia to differentiate into root cells. Most other formulations use synthetic hormones like naphthaleneacetic acid or 2,4-dichlorophenoxyacetic acid which do not occur naturally in plants, and besides, are not as effective in promoting the rooting of cuttings.

GREAT ROOTS is a liquid preparation and works best in combination with our GREENLEAVES Grow Juice. Together, they provide the full spectrum of hormones, vitamins and minerals for the accelerated initiation and proliferation of roots from cuttings. Because GREAT ROOTS is applied directly to the rooting medium, cross-contamination which can occur by dipping cuttings in powders is avoided. GREAT ROOTS has been around for quite a few years now, building an awesome reputation as the most effective rooting formula by a steadily increasing number of satisfied users. ESU felt it was time to give serious growers an opportunity to benefit from this superb product.

1 gal. 295.00 1 qt. 99.00 8 oz. 45.00 1 oz. 14.95

Comes with one, 12 oz. bottle of GREENLEAVES Grow Juice.

GREAT ROOTS is used only for the initial application. For subsequent feedings only 1 oz./gallon of GREENLEAVES Grow Juice is used.

GREENLEAVES CELEBRATES 10TH BIRTHDAY

GREENLEAVES Grow Juice (14-7-20, expressed wt/wt) was the first liquid hydroponic nutrient ever to be packaged in a single container. It has been around for so long because it is the most effective and incredible soil and hydroponic nutrient available anywhere. Sales have been doubling every year as more and more people become regular users. GREENLEAVES Grow Juice is carefully and painstakingly prepared by blending and aging dozens of ingredients at different pH and temperature conditions. Not even the most celebrated vintage wines are prepared so meticulously! The finished product is well worth the effort. It looks like liquid gold and performs even better. Besides containing all of the major, secondary and trace nutrients that are essential for plants, GREENLEAVES Grow Juice also contains a built-in pH monitor for easy visual assessment and correction of pH without the use of expensive pH meters or test kits. People drive over 1,000

miles to ESU to load up their trucks with 55 gallon drums and 5 gallon jugs of GREENLEAVES Grow Juice. Get some today and prove to yourself that there really is nothing better, or even half as good. Recommended dosage is one ounce per gallon.

5 gal. 85.00 1 gal. 19.95 1 qt. 8.95 12 oz. 3.95

ESU HAS MADE IT POSSIBLE TO GROW MORE BUDS

GREENLEAVES Budding Juice (12-40-24, expressed wt/wt). Made with the superb GREENLEAVES Grow Juice, but loaded with extra phosphate and potassium. And to increase budding efficiency, extra trace elements and special budding hormones have also been added. The formula should be used during the budding stage to unlock the full budding potential of plants. Your plants will bud like you never dreamed was possible. Recommended dosage is one ounce per gallon.

5 gal. 99.00 1 gal. 24.95 1 qt. 9.95 12 oz. 5.95

pH PROBLEM WITH ROCKWOOL SOLVED

Because rockwool is naturally alkaline, it tends to raise the pH of nutrient solutions in hydroponic systems. Addition of sulfuric or phosphoric acid corrects the problem, but only temporarily. Influenced by rockwool, the pH again starts to climb rapidly. ESU has solved the frustrating problem of fluctuating pH by developing a specially buffered pH reducer which resists pH changes for prolonged periods. ESU has prepared separate pH reducers for the grow and bloom cycles so as not to disturb the delicate nitrogen and phosphorus-potassium balance during the critical stages. These pH reducers work great with all hydroponic systems.

ESU pH Reducer—Grow Cycle

5 gal. 85.00 1 gal. 19.95 1 qt. 8.95 8 oz. 3.95

ESU pH Reducer—Bloom Cycle

5 gal. 85.00 1 gal. 19.95 1 qt. 8.95 8 oz. 3.95

ESU DEVELOPS VITAMIN AND HORMONE BASED ENERGY BOOSTER FOR PLANTS

Plant scientists at ESU are continually coming up with brilliant applications for well established scientific principles. Take for example, the ESU PLANT STIMULANT. Used once or twice a week during the grow and budding cycles, the PLANT STIMULANT provides plants with essential hormones and vitamins to efficiently utilize the high light intensities and increased carbon dioxide levels used by expert growers. Try this product for amazing results. Recommended dosage is one ounce per gallon.

5 gal. 85.00 1 gal. 19.95 1 qt. 8.95 8 oz. 3.95

ESU TO MARKET INEXPENSIVE HYDROPONIC UNITS THAT CAN GROW PLANTS UP TO TWELVE FEET AND TALLER!!

Finally, someone has developed a hydroponic unit that is inexpensive, efficient and unbelievably easy to use. Based on the time-tested wicking principle, the

hydroponic units developed by ESU utilize a vermiculite/perlite growing medium which provides excellent capillary action and aeration. The hydroponic units can be used individually or interconnected and fed through a common nutrient tank. By using flexible tubing to form interconnections, it is possible to have a variety of configurations to maximize space and light utilization. The unit comes complete so that it is ready to use. ESU also throws in a 12 oz. bottle of GREENLEAVES Grow Juice so you can get all the benefits of the best hydroponic system available.

1 hydroponic unit	29.95
4 units	99.00
8 units	179.00

CLONING MADE EASY: DESK TOP TISSUE CULTURE LAB DEVELOPED BY ESU

You won't believe it, but ESU has developed an innovative and fresh approach to cloning technology. Now, you can clone your favorite plants using state-of-the-art tissue culture techniques, which, so far, have only been the privilege of university research labs. Using the methods developed by ESU, you can literally clone hundreds of plants from a tiny little leaf section of your favorite plant, without having to destroy the plant by removing too many cuttings. You never have to worry about vigor or genetic characteristics. The plants you clone will have genetic traits that are identical to the parent. The complete tissue culture lab includes a laminar flow hood to create a sterile work area, presterilized test tube slants containing agar-based multiplication and rooting media, instruments and chemicals to successfully carry out cloning procedures.

Complete lab	1,995.00
Additional test tubes with sterilized media for stage I (multiplication) and stage II (rooting)	1.95 ea.

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LETTERS

GO GREENS!

In September of 1988, the Green Party of Canada resolved to support the decriminalization of marijuana. After much deliberation, the party's members came to the conclusion that the present laws and penalties are both unrealistically harsh and unjust. It was decided that marijuana control legislation should be struck from the criminal code of Canada and that decisions on marijuana laws should be passed to provincial jurisdiction. It was also decided that, should provincial legislators decide to outlaw the herb, penalties for possession should be limited to a summary nature.

Although this policy was passed by the party, it has yet to be picked up by local media. We need your help in getting the word out about this important initiative so we can raise awareness and funds to go all the way with this issue in the forthcoming Canadian Federal Election. If you would like more information on our party, you can write: The Green Party, 831 Commercial Dr., Vancouver, BC V5L 3W6, or call 604-254-8165.

—Neil Horner,
Vancouver, BC

The Canadian Government recently outlawed the possession, sale, and distribution of HIGH TIMES in Canada.

CREEPING OPPRESSION

I would like to comment on the following issues which have arisen in your pages recently.

James Marshall—If you don't like his opinions, then don't read his articles! Still, won't it get boring reading only opinions that you agree with?

Marijuana Map—This is a BAD IDEA! Even a general idea of where it is will be helpful to the forces of evil, especially with satellite and odor-detecting technology at their disposal. It's not worth the risk! If you commit some things to paper, you defile them. If you think they won't take the time and effort to track the shit down, you may be right... for a little while.

Wait 'til Bush is elected President. They have lots of time. Look at how they are creeping closer and closer to oppression (seatbelt laws, sobriety checkpoints, roadblocks, wiretapping).

I don't like the idea of turning in the cokeheads so the potheads can have legal grass. Get real! Talk about a sell-out!

—H The Unspeakable,
Albany, NY

NORMLTHON BLUES

Last week I had the chance to visit NORML in person when I went to pay my membership dues (\$15 low-income membership). My change from a \$20 bill was returned in singles and change after some searching around. Does this say anything at all to my fellow pot people? PLEASE! NORML really needs all the help we can give. If each HIGH TIMES reader would send in even \$1 a month, we could achieve great things. Let's all work towards the day when we can grow and smoke our own stash without paranoia. To quote John Lennon—“Imagine...”

—Mrs. T.H. Cecil
Newark, DE

OMNIBUS OUTRAGE

On September 22nd the US House of Representatives approved by an overwhelming majority the most oppressively unconstitutional antidrug bill that this dope smoker has seen to date. This bill (HR-5210) would enable these hateful bastards to search and seize your home or property without a warrant; deny you student loans, housing and welfare benefits; and levy civil fines of up to \$10,000 against you for possession of even small amounts of marijuana.

This bill is blatantly unconstitutional. Given the margin of approval (375-30), it would appear that the majority of our lawmakers are not concerned with making just, enforceable laws based on constitutional principles, but with even heavier doses of the same hysterical, reactionary bullshit policies we've seen from the Reagan administration for the last eight years.

I could not possibly make a stronger case for the need to join NORML, but simply paying someone else to do your work for you is not enough. It is absolutely imperative that you write your Senators and Congressmen to express your outrage over this bill in particular



and their inflammatory, ineffective drug policies in general.

We are closer to the legalization of marijuana now than ever before. But passively waiting on the President and Congress to realize the futility of passing every kind of repressive, irresponsible drug law imaginable will never achieve our goal. We must become fanatical! Join NORML! Write your Senators and Congressmen. The future is promising. Let's not sit on our ass and vegetate as it slips away.

—Billy Bones,
Austin, TX

TOP 100

I am a deadhead. I love music, but I am also an avid couch potato. Your Top 100 is usually based on music groups, politics, or someone's girlfriend. How about including some of the great thought-provoking television shows like *Late Night With David Letterman*, *Star Trek* or even Bugs Bunny cartoons?

—Todd W.
Lincoln, NE

LIBERAL TRASH?

I just picked up the September issue of my favorite mag—HIGH TIMES—and was extremely pleased to see the public service messages urging people to register to vote. However, I must say I am profoundly disturbed by the tone, substance, and direction of both the Page Six editorial and the totally liberal nonsense put forth by Ed Rosenthal in his highly prejudicial news column Outlaw Nation. I am 29, an avid reader of HIGH TIMES (I buy two, one to read, one to save, and have every issue intact), but I am sad to say I found it necessary to defile my collection by TEARING OUT this out-of-place liberal trash. I consider myself a patriotic American and find I am a true conservative on fiscal, social and defense policy. Again, I applaud your efforts to get your readers off their “lazy asses” and take an active role in our political process.

—Captain Beyond
Budville, NJ

continued on page 60



a message from the Freedom Flyers

For over three years we've been asking our readers to get involved in the cannabis reform movement. During that time, we have witnessed the steady erosion of our civil rights. Now Congress has passed a truly reprehensible bill aimed at illegal drug users. Don't you think it's about time you stepped out of that cannabis closet you're hiding in?

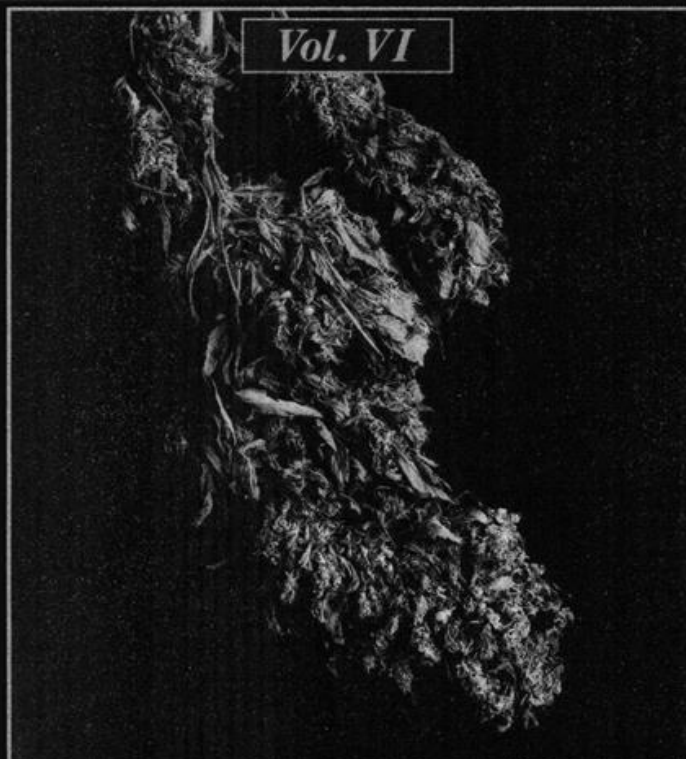
Please help. Join the cannabis protest movement.

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Vol. VI

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PHOTOTRON

IF YOU ROLL YOUR OWN, GROW YOUR OWN WITH STATE OF THE ART HORTICULTURAL TECHNOLOGY

My name is Jeffery DeMarco, president and founder of PyraPonic Industries. My master's thesis concerned the cannabinoid profile of marijuana. The knowledge gained through this research and experimentation can now be applied to the growing of any herbaceous plant from mint and basil, to roses and tobacco.

In pursuit of this master's thesis, I first had to generate the world's most extensive, nonacademic library on the subject. Second, I assembled the most extensive, scientific bibliography ever created. Then, I went into the laboratory at a major university while under federal license, and designed the most sophisticated laboratory grade growing chamber in the world called the PHOTOTRON and the methodology "Growing Plants Pyraponimetrically".

The Phototron is not presented to the public as a piece of paraphernalia intended for the unlawful production of marijuana. The system was designed to grow any plant. The private cultivation of marijuana has been illegal under numerous state and federal laws since 1936. Marijuana can only be grown legally with a federal license. I worked under such a license at the time I was engaged in my research. PyraPonic Industries will never knowingly sell products to anyone expressing the intent to produce illicit substances.

If you were to research indoor plant growing techniques, as I did, a similarity soon becomes apparent. Every system before the Phototron has attempted to duplicate a tropical climate, such as Hawaii's, in a confined area. I suggest that when you finally achieve the re-creation of Hawaii, you can do no better than Hawaii's results.

In fact you will grow the plant six (6) to nine (9) months with an average six (6) inch internodal length, (the distance between fruiting sites). That will produce a fruiting ratio at the tops of the plant equal to only ten percent (10%). Ninety percent (90%) of the plant material is unusable and the plants are killed off after harvest in preparation for planting the next crop.

Number one, the only thing I am waiting nine (9) months for is a baby. Number two, I don't want a tree growing in my home. Number three, I am not going to pay the electric bill to artificially reproduce the sun. That is why I made my system so revolutionary. The Phototron measures only 36 inches tall by 18 inches wide. Its potential is deceptively masked by the simplicity of functional design and compact size.

On average, the Phototron draws only \$4.00 per month in electricity. I guarantee you will grow six (6) plants, three (3) feet tall in forty-five (45) days, while maintaining a one (1) inch internodal length. I guarantee that in your Phototron each of your six plants will produce over one thousand (1000) fruiting sites from top to bottom. Mine is the only system in the world which will allow you to reflower and refruit the same plants every forty-five (45) days. You will remove from the system everyday. Beginning on DAY 20 after seed germination an average of six (6) to eight (8) ounces of plant material, such as tobacco can be harvested every forty-five days.

Please, do not allow the technical sounding nature of the Phototron scare you away. I personally service back and guarantee each unit sold. The instructions are clear and simple; the system comes to you complete. All you must do is select your seeds, plug in the system and water it routinely. Then, if you have any questions, you may call me directly. Ask your question. Get your answer.

You can not fail with my Phototron. I do not allow any of my Phototrons to fall below showcase. I personally have guaranteed every Phototron ever sold and I have never had one returned, ever, and I'm not starting now.

Call me at 1-312-544-BUDS. If you do not learn more about plant production than you have ever learned before, I will pay you for the call. Can you afford not to call?

Jeffery Julian DeMarco

PHOTOTRON	NONE	12	YES	YES	YES	YES	YES	YES	YES	YES
HALIDE SYSTEMS	50%	1	NO	NO	NO	NO	NO	NO	NO	NO
LEAF SHADING										
LEAF TEST OF LIGHT										
SPECTRUM ADJUSTABILITY										
COMPUTER DESIGNED FOR EACH SYSTEM										
COMPUTER DESIGNED SEX										
GUARANTEE THE PLANTS										
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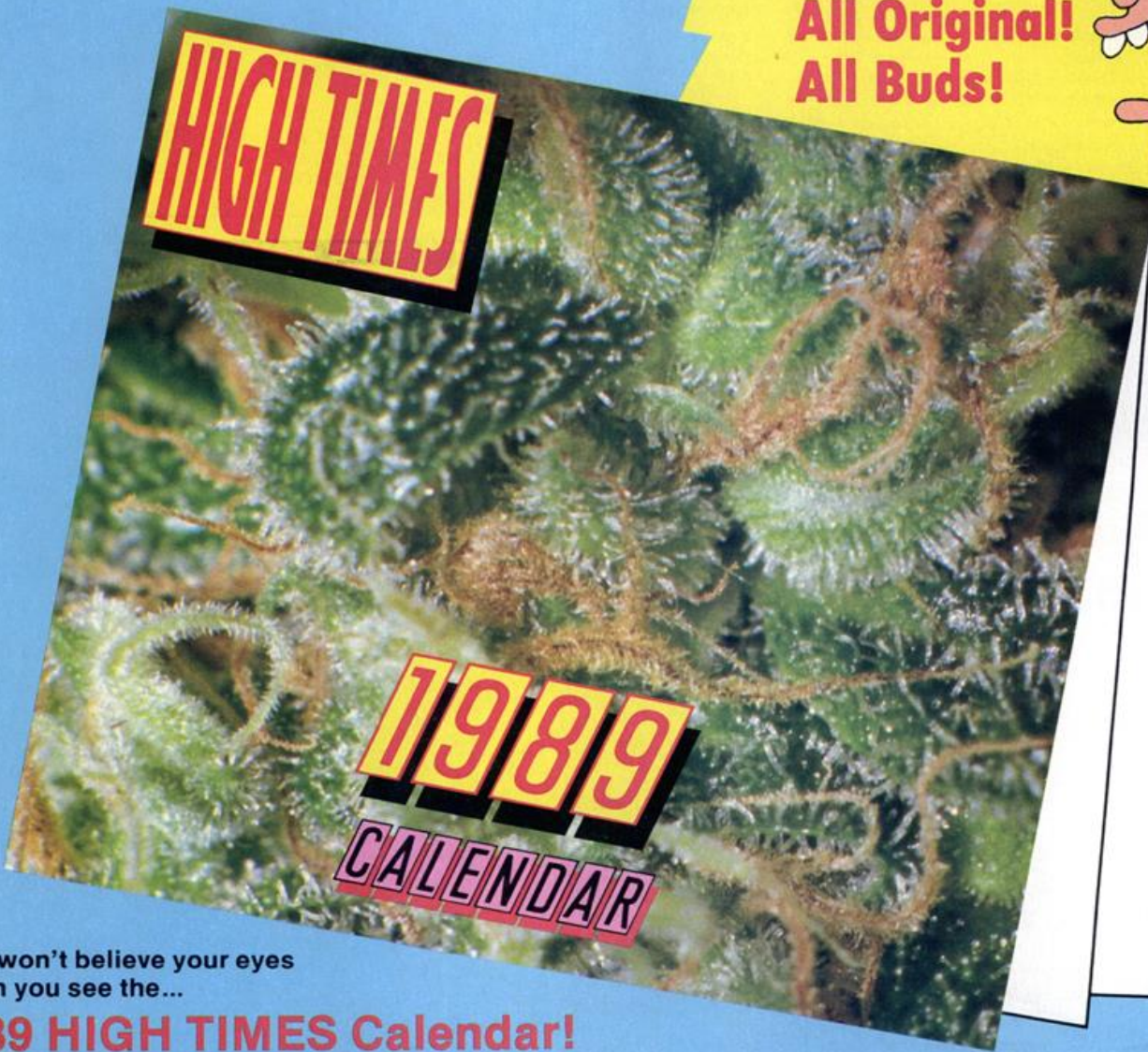


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HIGHWITNESS NEWS



ANDRE LEROY DAVIS

WASHINGTON FLIPS SWITCH ON DRUGS

By Steve Bloom

Here's an ugly statistic for you: Only 11 congressmen voted against the final Omnibus Drug Bill last October. Not one senator took a stand against the anti-drug hysteria that's sweeping the country. With the election only days away, just 11 representatives held firm to the belief that the death penalty and fines of as much as

\$10,000 for minor possession are not the proper solutions to America's drug problems. The Washington 11 are:

- John Conyers (D-Michigan)
- Dale Kildee (D-Michigan)
- Mervyn Dymally (D-California)
- Henry Gonzalez (D-Texas)
- Charles Hayes (D-Illinois)
- Gus Savage (D-Illinois)

- John Lewis (D-Georgia)
- James Oberstar (D-Minnesota)
- Martin Sabo (D-Minnesota)
- Louis Stokes (D-Ohio)
- Ted Weiss (D-New York)

Originally, when the bill contained serious questions of constitutionality—such as waiving the exclusionary rule, which disallows the use

continued on page 30

ALBERT HOFMANN FOUNDATION INAUGURATED; CONSCIOUSNESS RESEARCH LIBRARY PLANNED

By Ted Petramalo

On October 2, 1988, the Albert Hofmann Foundation was inaugurated with a benefit in Los Angeles' Scottish Rite Temple. The Foundation is a non-profit educational corporation whose primary objective is to establish a research library and information center devoted to the study and exploration of human consciousness.

Albert Hofmann, the Swiss chemist who discovered lysergic acid diethylamide (LSD) in 1938, made a very rare American appearance. As the evening's key speaker he read from an English translation of his biography *LSD: My Problem Child*. Hofmann is a firm believer in the medical benefits and the inherent sacredness of LSD yet he also acknowledges the many potential dangers involved in its misuse. He agrees with researchers who think that a consciousness altering substance such as LSD may have been involved in the initiation and ceremonial rites of certain ancient Greek mystery religions.

Hofmann's interest in the research of consciousness expanding substances also led him to hunt down the "Sacred Mushrooms" of Mexico in the 1950's. He then became the first scientist to chemically synthesize psilocybin and psilocin,

the active ingredients in the "Sacred Mushrooms." Hofmann's research was also very unique in that he was one of the first scientists to experiment with the effects of consciousness altering substances on himself.

Joining Hofmann in the evening's celebration were author Terence McKenna, Stanley Krippner Ph.D, psychologist and researcher in the field of human consciousness, Andrew Weil M.D., specialist in the study of altered states of consciousness and holistic medicine, and John C. Lilly M.D., a pioneering researcher in the use of LSD in sensory isolation tanks.

The proposed research center will house the many scattered and isolated thousands of scientific articles and bits of information that have been published on the therapeutic uses of mind altering substances. The information center will function strictly as a library and archive, taking no doctrinaire or political position. The Albert Hofmann Foundation also does not advocate the use of unauthorized substances but does wish to gather and protect the many unique records that may someday help qualified scientific investigators experiment and fulfill the beneficial promise of consciousness expanding substances.



Allen Ginsberg, Ken Kesey, Ram Dass, Paul Krassner, and Timothy Leary are among those expected to donate pertinent books and memorabilia. Many resources such as computer equipment, reproduction equipment and furniture will also be needed. The Foundation is currently searching for a suitable location in Los Angeles for the library. Those interested in receiving further information can write to the following mailing address:

The Albert Hofmann Foundation
1328 Westwood Blvd. No. 36
Los Angeles, California 90024

A FIELD GUIDE TO NORTH AMERICAN CONSERVATIVES

BY JOE BARTOS

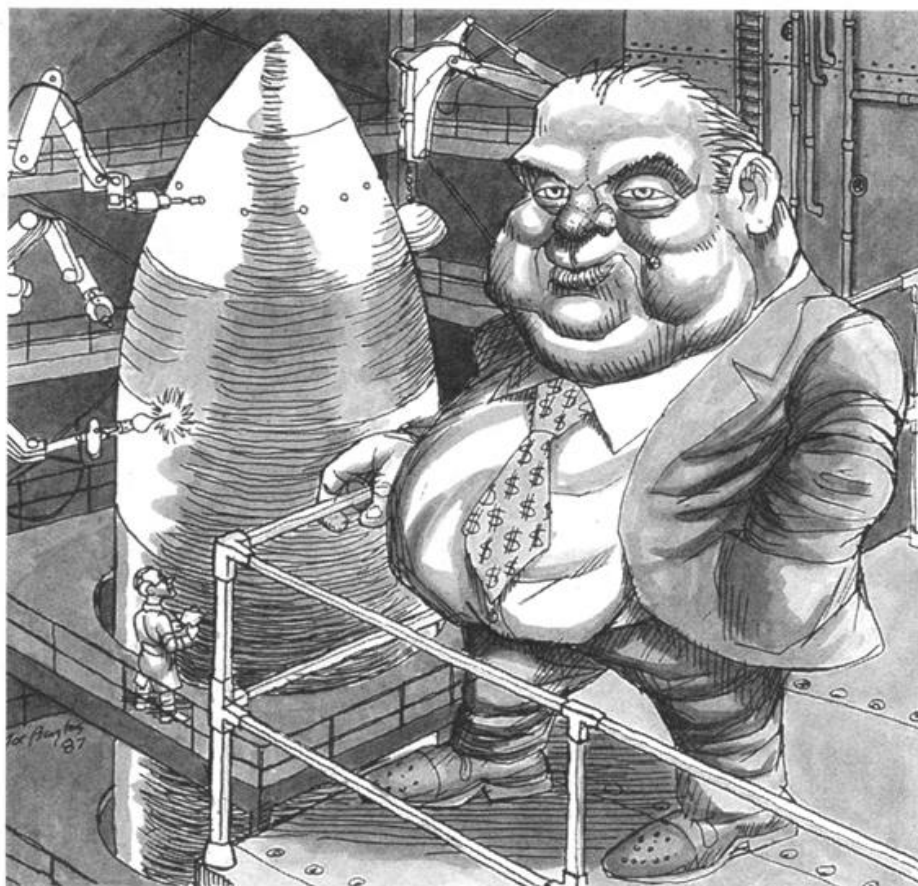
The Military Industrial Parasite

destructiv capitalis

The Parasite has flourished in the Reagan era, feeding on abundant public funds and excreting stockpiles of nuclear weapons across the countryside. In addition to consuming as much of the federal budget as possible, the military industrial can be heard continually whining that taxes are too high.

The Parasite prides itself on its contributions to the health of the economy. Besides replacing factory workers with robots, he joins with businessmen in shifting funds from research and development into extravagant executive benefits. But unlike other capitalists, the Military Industrialist knows that while America can no longer competitively produce toasters, T.V.'s, or automobiles, we still have the drop on the Japanese when it comes to the bomb.

By charging our government two hundred dollars for a screwdriver, the Parasite sees to it that our country's resources are squandered in the pursuit of WW III. This spunky patriot is proud to ensure his economic future with multi-million dollar battleships easily sunk by a terrorist with a thousand dollar missile.



ONE MAN'S DOPE

ANGELS WITH STUPID FACES

by Dean Latimer

The detectives of romantic Midtown North in Manhattan may never set a fashion trend that occupies the cover of *Gentleman's Quarterly* for four issues running, but I, for one, have been ravished wholly over to their style of dressing. On the next page you may see my beautiful Strict Suit for 1989. The jacket was styled in Colombia, brags the label, and was first sold in a salon in Paris. I picked it up for \$25 at an exclusive Midtown courtourier much patronized by the discerning law-enforcement personnel of this my beloved precinct: the Salvation Army Thrift Shop on Eleventh Avenue and 46th. The gorgeous waistcoat was the gift of a genius artist friend, and that sexy silk Paisley-pattern tie (without which no Midtown North plainclothesman will be shot dead this season) I got for five bucks from an adorable little Korean sweetie at a Times Square sidewalk stall. When you dwell just to the south of glamorous Restaurant Row in Midtown, where the fearsome Guardian Angels have been on 24-hour Crack Patrol for over six months now, it greatly helps if you can dress this way and bring it off properly. All those crack dealers who've been relocated by the Angels to over near the Amerada Hess station on Tenth Avenue head for the high hills when they see you coming: "Chit, bruthuh, this be some *serious* Law comin'!" Just pretend to be looking around for someone in particular. It's easy.

I was wearing this selfsame Strict Suit a couple-three months back on the night Ted Koppel ringmastered that tremendous five-hour Town Meeting on Drug Legalization on ABC. If you saw it—I didn't, because I was in the studio audience—you probably saw the same criminally-prolonged orgy of stereotyped kids-on-drugs posturing that all my friends told me about later on. I didn't pay much attention, tell the truth. I was busy flirting with a beautiful reporter from a certain right-wing investments gazette, peeking up the panty hose of the sylph-like ABC pledges, and somberly contemplating all the eminent personages in front of me—Jesse Jackson, Mayor Koch, Customs Commissioner William von Raab, William F. (hic!) Buckley Jr., Rep. Charlie Rangel, Ted Koppel himself (who looks 20 years older in the

pancake than he does on screen)—and wondering uncertainly why the ABC "security" guards never asked to look inside my huge vinyl notebook-satchel. Nothing inside it was any more inflammatory than a few messy manuscript tracts advocating social justice, sure, but it could just as easily have held a kilo of gelignite and an alarm clock, for heaven's sake. A couple of ABC meatballs had glanced at it a little uncertainly, but none of them had challenged it at all—because, as it turned out, I looked exactly like one of Sterling Johnson's pet narcs.

"My God, you're a dead ringer for one of Sterling Johnson's favorite narcs!" an attorney from a certain New York City Police Department union told me after he'd struck up a conversation with me thinking he was talking to someone else. We'd been copping a smoke out front near Central Park West during the eleven o'clock news break (nothing but tobacco, children), chatting about the Giants and the Redskins, and suddenly he'd asked me a cop question. And when he learned I was actually from HIGH TIMES, this cop-union lawyer laid on me a very amusing story about Sterling Johnson, the robust black New York City Special Prosecutor for Narcotics.

"You remember Johnson's Narcotics Task Force was funded out of Albany for years and years, right?" I nodded. "Well, the Governor just sort of quietly defunded that budget early this year, without making any publicity over it because of the elections. And the City picked up their budget, all except for the rent. Sterling and his Narcotics Task Force have gone on operating out of the same building downtown, but nobody's paid the rent on it for the last six-eight months. And a couple weeks ago I heard—now you can check this out, right?—the word was that Mayor Koch himself had sent around a City Marshal to tack an eviction notice on Sterling Johnson's door."

Grateful and flattered to be the receptacle for such a hysterical cop-gossip leak, I guffawed appropriately, though it frankly made me a little mournful inside myself. Neither Sterling Johnson nor any of his New York State narcs have ever been convicted, or even rumoured (so far as I'm aware, anyhow) of taking money from drug traffickers, stealing and selling evidence dope, planting evidence on innocent people, enticing college kids into chemical drugmaking conspiracies, burning their snitches to the Mob for kicks, or even engineering grandstand "Racketeering-



Influenced-and-Corrupt-Organization" busts at legislative-appropriations time—the sort of narc-squad atrocities the federal DEA commits with nauseating regularity.

You might at least have done a little more of that appropriations grandstanding in Albany. Mr. Johnson, I was saying respectfully in my head as I contemplated him over yonder in the VIP section, behind the distinguished panelists on camera, as the 11:30 segment began. There he sits now, sez I to myself, Sterling Johnson, the one honest cop who ever worked the New York City dope trade, up there anonymous among those political blowhards and lardbuckets, sweaty and tightcollared under the studio lights, fidgety, plucking at his Salvation Army gabardines—and lookee there! Check that cute little *bulge* in his sock, just above the ankle! Are you just happy to see us, Mr. Johnson, or are you scared of all those nasty Colombian Cocaine Barons?

If Sterling Johnson is going around discreetly heeled with a Smith & Wesson in his sock, sez I to myself, then maybe these tabloid headlines about the assassination contract the Cali Cartel supposedly has out on his head are more than standard cop-publicity fables. There he sits among the lardbuckets, poor old incorruptible Sterling Johnson, subject to eviction by the wholly corrupt Mayor, fidgety about all these unchecked vinyl satchels in this place, and right behind and above him is a zoo of those fucking Guardian Angels. . . .

The Guardian Angels were hired last summer by a consortium of silk-stocking taverners along Restaurant Row—as 46th Street west of Broadway is called—to publicize their eateries, where all the tourists love to get bilked for their vittles after enjoying The Show. The Angels, so all the newspapers exuberated, were to chase all the crack dealers off this wonderful block. I watched with vast interest, at first hand, their *modus operandi* the first week or so. Mainly they just hooted vicious insults and threats at practically anybody of obvious African or Hispanic

extraction who came around in anything less formal than a three-piece suit. Since the Angels themselves are mainly black and Rican, this was pretty gratifying to watch. How they *will* still suck up to us grand white folk, in spite of everything, if only we'll pay them the slightest personal attention.

But then the bastards did something effective. Namely, one of their few Caucasian vermin, a teenager from some maple-lined New Jersey suburb, managed to get his ass cut up some, and looked so brave and pretty afterward in his band-aids on the television that Mayor Koch got all hot and bothered. From that day to this day there's been a crisply-uniformed Midtown North patrolman very visibly stationed on that block, and at night you can always see plenty of guys dressed just like me, only lots younger and huskier. Our tax money at work, fighting the War on Drugs.

The effect, like I say, has been to precisely double the volume of crack trafficking and commercial prostitution over by that infamous Hess Station in my own neighborhood. In fact, the first time I ever saw any Angels on my personal block was one sultry summer evening when some big black pimp was just beating the living daylights out of a skinny, very young black hooker who was wearing a sort of bottle-green dinner jacket, bright red satin panties and suspended opera hose, right in front of my building as I was coming home. He was backhanding the tarnation out of the poor woman, right and left, and she was screaming in terror for her life. I barely paused on the doorstep to watch this tawdry altercation, since it happens far too frequently in Hell's Kitchen to really command much interest. And by God over yonder, sauntering down past the Hess station, comes a zoo of those fucking Guardian Angels in their white t-shirts and crimson berets, witnessing this age-old atrocity with exactly as much interest as I. One of them did hoot something at the pimp as they passed by, but it sounded more like encouragement than reproach to me. And the pimp went on about his job untroubled, a man happy in his work.

The Angels extort goods from shopowners, too. I'm not going to describe any particular incident, children, because it's inevitable, sure, and cops do the same thing themselves, and the shopowners like it anyhow. The difference, see, is that when cops in New York City do it so flagrantly and routinely that journalists begin writing it up like this, then the Mayor gets all hot and bothered again, and some policemen wind up crucified as Examples, rendered pensionless and unemployable, swallowing their pistols in the black bile of melancholy. But what

the hell can anybody do about *these* fucking little slopheaded brownshirts?

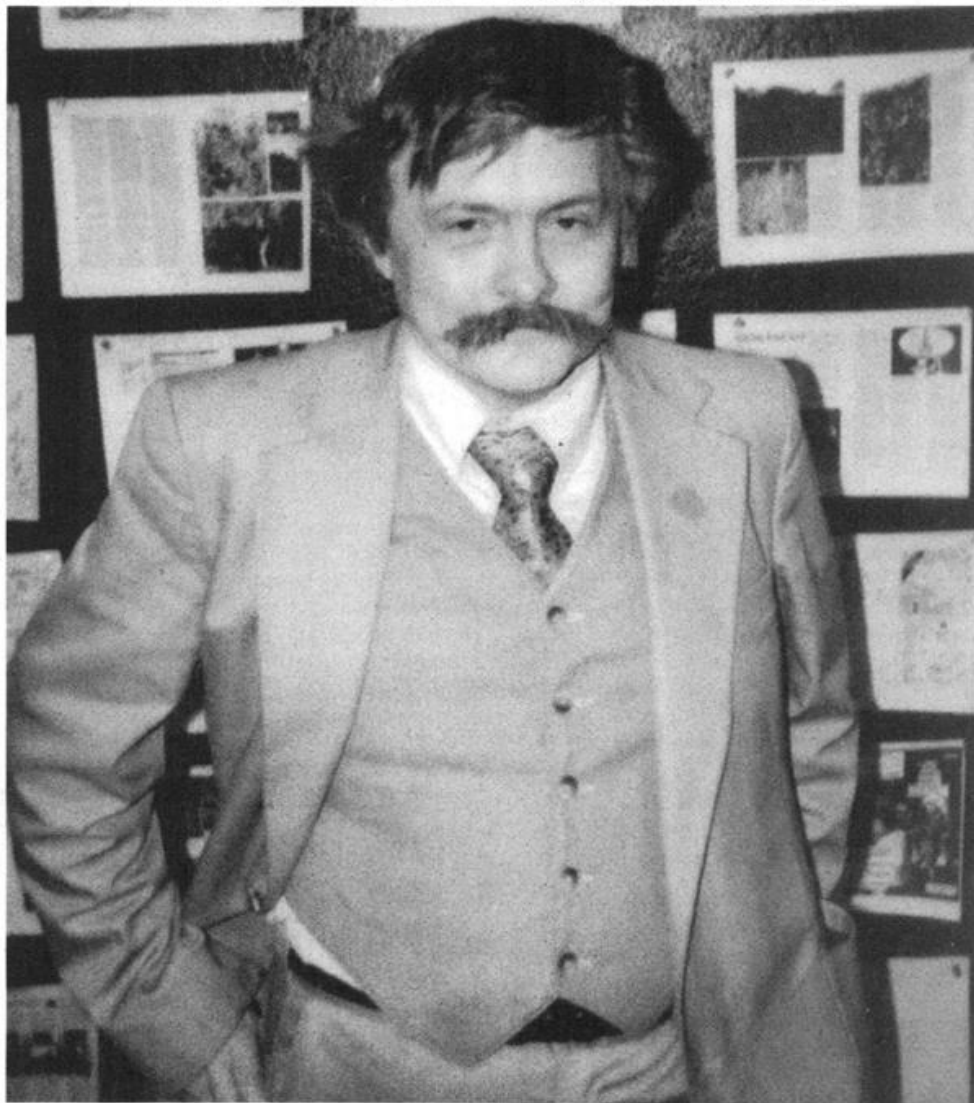
If you watched that ABC Drug Legalization special to the end, you surely saw those fucking little slopheaded brownshirts applauding riotously every time Mayor Koch or Robert ("The Watcher") Stutman of the New York DEA commended the Mayor's new upstate detention camps for "marijuana addicts." Children, that was a wonderful thing to see, the Guardian Angels applauding the frothings of Mayor Koch. It only happens on national television, and it's just another testament to the imperishable integrity of Curtis Sliwa and Lisa Sliwa and her gorgeous cheekbones.

Outside the ABC studio about 3 a.m., as the crack ABC "security" detail was locking the doors behind us, the Guardian Angels were mingling around in front of the colorful dogcatcher-wagon that appropriately serves them for troop transport. They were minding their manners beautifully—video cameras were still around—until a couple brawny young white psychopaths from a certain local pro-marijuana zoo called the National Youth Party began

hassling them. These chumps, dressed up just like American International central-casting motorcycle hoods, were calling the Angels *chicken*, and one particular slopheaded imbecile was getting hot under the beret. When they started their ritual dance-shuffle preparatory to fisticuffs, I walked over and asked disgustedly, "Do you want to go to jail on national television *together*, assholes?"

You could follow their thoughts scrolling jerkily across the insides of their *retrouse* foreheads. Curtis Sliwa's imbecile, remembering that he's been admonished to behave himself on pain of a royal butt-kicking when they get back to their Restaurant Row HQ, desists. The Yippie imbecile, too proud to provoke an arrest by a mere Midtown North plainclothesman, desists. And thus all things are lovely.

Something very, very much like this last episode happened to the great gay Art Deco photographer Man Ray on a visit to Berlin during the Weimar interregnum in the 1920s. You could look it up in his memoirs. I just wish he was around to snap a shot of me in my snazzy Strict Suit for 1989. ●



Dean Latimer shows off his stylish new threads.



NORML-IZER

JON GETTMAN

NORML
NATIONAL DIRECTOR

Paranoia is Self-Fulfilling



FLICK FORD

The United States Government refers to their anti-marijuana strategy as a policy of "suppression." Isn't it time we came to terms with that word?

One of my dictionaries defines "suppress" as follows: *to put down by force or abolish by authority; to keep from appearing or being known; to conceal.* Applied to marijuana policy, the Government's purpose is to use force to keep marijuana use concealed.

Fortunately, we live in a free society in which certain inalienable rights are guaranteed us by law. These rights make it next to impossible to abolish anything by the mere use of authority. These rights also force the government to come up with subtle means of suppression; anything too direct would be too crude and unacceptable to the American people.

If HIGH TIMES was published in Nicaragua, Chile, South Africa or North Korea, it would be shut down in a routine suppression of dissent. If the US Government tried to shut down an opposition magazine in this country, it would be immediately blocked by the courts. However, this doesn't mean that there aren't other ways of suppressing the use of marijuana.

The marijuana issue is not about marijuana use; it is about dissent. While the rhetoric of marijuana prohibition concerns the "drug abuse problem," the ac-

tual programs the Government regularly introduces are intended to keep marijuana use from becoming too familiar to the American people. The objective is clear: to create a national intolerance of marijuana use, which will then shift marijuana smokers out of the public debate and out of the public eye.

One purpose of zero tolerance, parquat, user accountability provisions, mandatory civil fines, the death penalty, urine testing and other extreme proposals in the "War on Drugs" is to discourage marijuana smokers from going public. The Government has learned to live with marijuana use, but only as long as marijuana users learn to live with prohibition.

Decriminalization in the '70s sent a message to kids that marijuana was harmless. I think what disturbed kids the most was that changing the laws was an admission that the laws were wrong in the first place and that such an acknowledgement could result in erosion of respect for our social authorities. A policy of suppression of marijuana use fit quite nicely with the Reagan Administration's intention to re-establish respect for authority figures and institutions.

Whatever the drug policy of the incoming administration will be, I think we have to educate the American people that the present policy is unfit for a democratic society. People support the

Reagan suppression because they've been told it will reduce drug use and abuse. If they realized that the only purpose of this program is simply to keep marijuana out of sight, they would not be willing to endure the erosion of civil liberties such a policy requires.

Making the American people come to terms with the actions of their government is one of the fundamental objectives of our movement. But what about coming to terms with this "suppression" ourselves?

We have two common responses to it. First is righteous indignation, ever present in this column and magazine. Second is paranoia.

The standard explanation I get from people about why they haven't become involved with NORML is paranoia—they're afraid. Having just discussed our Government's suppression program, and having just argued that its purpose is to discourage you from getting involved with NORML, I can't argue that this paranoia is without foundation. Sure, paranoia is justified, but giving in and giving up is not. I, like most of you, refuse to give in and give up.

I probably have as much right as anybody to be paranoid. My responsibilities with NORML give me high visibility in the drug policy debate. I am frequently confessing my own marijuana use to the

continued on page 29

OH, CANADA! HEAT'S ON IN THE GREAT WHITE NORTH

The week before Bill C-264 passed—nearly unanimously—in Canada's Parliament last August, the *Toronto Globe and Mail*, spoonfed a carefully-worded misrepresentation of the Bill's provisions by its sponsors, observed: "The legislation is aimed solely at retail outlets that supply the prohibited goods. Simple possession of the items will not be illegal."

Then why, in October, were all copies of the November issue of *HIGH TIMES*, bound for Canadian newsstands, intercepted at the border by the "Prohibited Importation Department" and impounded in Customs sheds?

"I guess the premise is that illegal activity is being promoted," a somewhat bemused Dr. Patricia Ericson, researcher for the eminent Addiction Research Foundation in Toronto, diagnosed. "There was not a lot of public attention paid to this bill. I was surprised to see that it sailed right through the Parliament."

The author of *The Steel Drug*, (Lexington Books), an assessment of cocaine use in Canada, Dr. Erickson is hardly ill-disposed towards vigorous

anti-drug law enforcement, but this new law appeared to give her pause.

"There's a lot of new appropriations money for drug-law right now," she pointed out. "For example, the Toronto Police Department just got authorization for 92 new narcotics officers. I think they're going to have a lot of time on their hands."

The other prong of the new law, criminalizing "instruments for illicit drug use," was vigorously applied in Calgary in early October, when the local Police Department simultaneously raided four novelty shops around town. "They seized rolling papers, pipes, coke spoons, razor blades, stuff like that," Superintendent Bob McKay of the Calgary Police told *HIGH TIMES*. A clerk at the raided premises of Afghan Boutique, himself an Afghani immigrant, speculated that it may have been the brand-name "Reeferama" which got some of the rolling papers in the shop seized by the cops, while other brands with less suggestive titles went unseized. Some unmeasured quantity of "literature for drug use" was also reportedly seized, but

the exact titles of the publication involved is still a secret, pending trial.

Calgary attorney Brian Devlin, handling the case for Afghan Boutique, waxed eloquent in outlining the thrust of his tactics: "We've got the Charter of Rights up here, and I think this law offends about five sections of it. We'll mount a Constitutional challenge right off the bat. It'll be our first line of defense. To start with, the wording of the law is so vague as to render it unenforceable. Then there's the problem that, traditionally in Canadian jurisprudence, the Provinces have always had prior jurisdiction over the Federal Government in statutes relating to property."

Back east in sophisticated Toronto, the civil-liberties orations were notably more muted. When contacted by *HIGH TIMES*, attorney Alan Borvoy of the Canadian Civil Liberties Association (equivalent to the American Civil Liberties Union in the United States) listened to a reading of the new law *verbatim*, plus a detailed description of how it was being enforced, and then said for the record, "I have never heard anything about this."

BILL C-364

An Act to Amend the Criminal Code (instruments and literature for illicit drug use)

OFFENCE

420.2 Every one who knowingly imports into Canada, exports from Canada, manufactures, promotes or sells instruments or literature for illicit drug use is guilty of an offence and is liable on summary conviction

(a) for a first offence, to a fine not exceeding one hundred thousand dollars (\$100,000) or to imprisonment for a term not exceeding six (6) months or to both; or

(b) for a second or subsequent offence, to a fine not exceeding three hundred thousand dollars (\$300,000) or to imprisonment for a term not exceeding one (1) year or both.

CRIMINAL CODE

"Instruments for illicit drug use" means anything designed or intended under the circumstances for consuming or to facilitate the consumption of an illicit drug, but does not include a "device" as that term is defined in section 2 of the Food and Drugs Act;

"literature for illicit drug use" means any printed matter or video describing or depicting, and designed primarily or intended under the circumstances to promote, encourage or advocate the production, preparation or consumption of illicit drugs.

BANNED IN IRAN!

AND CANADA . . . AND THE USSR . . .

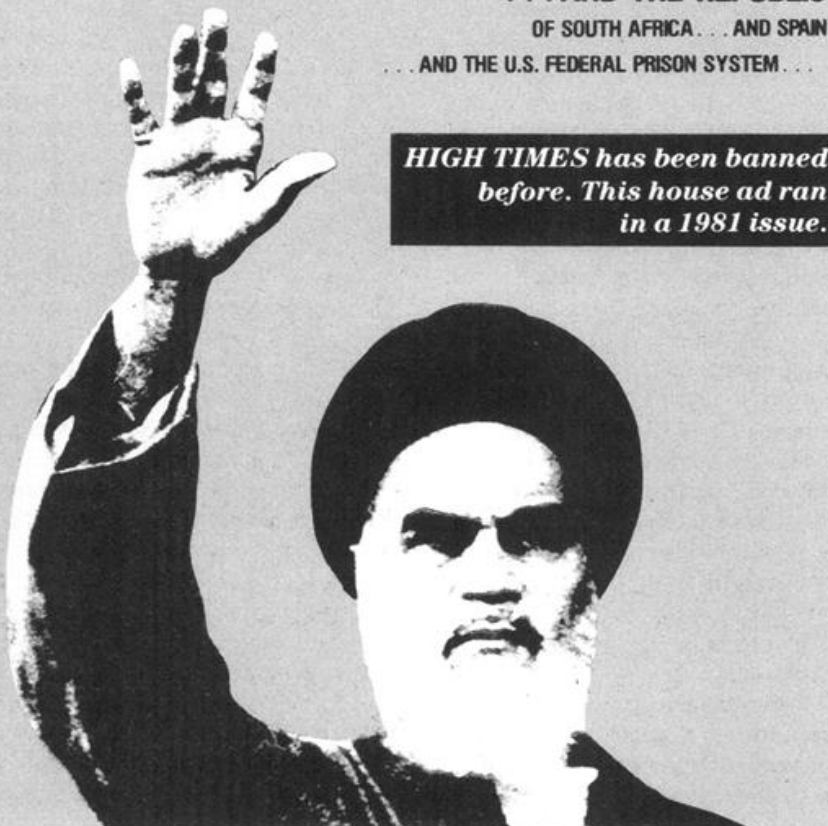
AND ENGLAND . . . AND CHILE

. . . AND THE REPUBLIC

OF SOUTH AFRICA . . . AND SPAIN

. . . AND THE U.S. FEDERAL PRISON SYSTEM . . .

HIGH TIMES has been banned before. This house ad ran in a 1981 issue.



Says Robert Mertz of the Canadian Freedom Party, which is headquartered in London, just outside of Toronto: "The American Civil Liberties Union is far more principled, in my opinion, than the Civil Liberties Association in upholding peoples' rights, and especially in the area of freedom of speech." Mertz believes the new drug-literature ban is part of an ambitious program by right-wing Canadian legislators to effectively regulate free expression in the ever-popular areas of drugs and sex. New "obscenity" legislation enacted by Parliament over the last few sessions now regulates the publication of any matter relating to any conceivable sort of sexual activity or expression, Mertz explained. Asked whether the Canadian Charter of Rights contains some provision equivalent to the First Amendment of the U.S. Constitution, Mertz chuckled and said, "Remember, you're dealing with a country that has declared vibrators 'obscene' by Federal statute."

Mertz says the Freedom Party was founded to provide a genuinely progressive alternative to the so-called Progressive Conservative Party, which has controlled Parliament for years, and is currently promoting this onslaught of repressive "obscenity" and "anti-drug" legislation. "We believe in no censorship, none. Absolutely nothing," affirms Mertz. "That attracts both liberals and conservatives to our Party. But as soon as I say to them no censorship for drug magazines or pornography, these same people always say a line has to be drawn somewhere. Canadians in general just don't seem to be aware that these rights that they're willing to see abrogated for other people, like drug and sex publishers, are exactly the same rights they cherish for themselves."

Back in the United States, Barbara O'Connor of the ACLU was unavailable for comment. Lori Lee, public information director of the American Society of Magazine Editors in Washington, said the Society was not interested in censorship matters of this nature, adding: "I really don't think our president would want to comment because of its controversial nature."

But veteran civil-liberties attorney and author Patrick Bishop of Houston was stunned by Canada's repressive Bill C-264. "If you're going to take a vacation in Canada," he counseled, "make sure to leave home 'Kublai Kahn', Samuel Taylor Coleridge's opium poem. Don't take along De Quincey's *Confessions of an Opium Eater*. Leave Machiavelli at home; he wrote *La Mandragola*, about mandrake-based fertility potions. And what about the section in the *Odyssey* where Helen and Menelaos feed nepenthe to Telemachos? You can't even read the Holy Bible up there any more, with that chapter in the book of Genesis where Leah feeds Jacob the mandrake so she can have children by him..." —MS

THE UNITED STATES: OUTLAW NATION



FOR ISRAEL, A PALESTINIAN HOMELAND IS WHERE THE HEART IS

by Ed Rosenthal

Since its birth more than 40 years ago, Israel has lived in uneasy stalemate with its hostile neighbors, punctuated by a few short wars. Perhaps justifiably, the populace has a siege mentality: "If we win a war it's just another battle, but if we lose, it's our death."

The Six Day war took place in 1967. Egypt blocked Israel's access to the Gulf of Aquaba, Israel's port to the Red Sea. After warning of dire consequences, of continuing the blockade, Israel attacked. A cease-fire was called after Israel captured the Arab section of the divided city of Jerusalem; the Gaza Strip, which is a piece of land on Israel's southern border; the Golan Heights, which are a strategic group of mountains on Israel's border with Syria; and the West Bank, land owned by Jordan on the bank of the Jordan River. Israel has occupied the captured territories since then.

Until the beginning of 1988, the Palestinian drive towards independence was largely an external struggle. Small guerrilla bands pierced the Israeli borders and sabotaged specific targets. For the most part, these actions were ineffective.

At the beginning of last year, the Palestinians developed a new strategy. Instead of battling Israel militarily, the population within the occupied areas would revolt. No military weapons were to be used, just stones and verbal abuse. Israeli civilians and soldiers in the occupied territories were to get no peace. This policy is still in effect.

In late 1988, Jordan upped the ante by renouncing any claims to the land Israel captured. Instead, King Hussein, Jordan's leader, said that the West Bank was Palestinian, and its fate should be decided by the representatives of the people living there, presumably the Palestine Liberation Organization (PLO).

The Israelis have their own strategy. Exile the troublemakers, limit Palestinian legal and economic rights, give Israeli citizens extraordinary rights in the occupied areas and encourage Palestinian migration from the territories. Israeli villages are developed in their place.

Conflict has been part of the reality of the Mideast for at least the last 8,000 years, starting during the Bronze Age. In fact, the Bible, which can be viewed as a history book written by the victors, re-

counts situations similar to the ones faced by the Israelis today.

The Babylonians had lived for thousands of years in what is now Iraq and Syria. In the sixth century B.C., they developed new military strategies and captured vast territories. Before the invasion, Judea, the Hebrew nation, had a peace and friendship treaty with Egypt. The prophet Jeremiah preached against this alliance, saying that Egypt was a paper tiger that would collapse under onslaught. At the Battle of Chimash, 603 B.C., the Babylonians, under Nebuchadnezzar II, defeated the combined armies of the allies. Judea became a vassal state.

There was fierce resistance, and in 597 the Babylonians exiled most of the intellectuals and leaders, including Judea's King Jechoiachin. They installed the king's nephew, Zedekiah, who was compliant at first; ten years later, however, there was another revolt. This time the Babylonians responded by systematically destroying many of Judea's cities and marching a good part of the population into exile.

The Babylonian Empire lasted only 70 years. In 539, Cyrus the Great, the Persian king, captured most of Babylonia's colonies. Cyrus and his successor, Darius' strategy for ruling their possessions differed from the Babylonians. They encouraged all the captive peoples to go back to their homelands, allowed self-government and subsidized ethnic, cultural and religious expression.

The exiled Hebrews were tribal people with a history united by one religion. When they returned from exile two or three generations later, the Hebrews had the crucible of captivity as a common experience. More importantly, they had developed a powerful sense of destiny.

Modern Israel has had the same unifying effect on the Palestinians. Before their diaspora, the people living in Palestine did not have a sense of purpose or think of themselves as a people—although they certainly had a group identity and culture. Their exile has molded them into peoplehood. Once a group develops this attitude, they can resist unbelievable hardship and oppression. The Jews, Armenians and Poles are modern examples of this.

So then the overriding question in the Middle East remains: Can Israel make
continued on page 30

TRANS-HIGH QUOTATIONS MARKET



Encino, CA

Killer indoor *indica* "one-hit shit; crystallized to the bone!" **\$90** 1/4-oz; **\$300** oz.
'Shrooms "potent stuff," **\$60** 1/4-oz; **\$150** oz.

Newark, DE

Green bud "get it while you can," **\$45** 1/4-oz.
LSD: red star blotter "powerful; very spacey visual effects," **\$4** a hit.
LSD: grim reaper blotters "haven't tried 'em, but I've heard they're good," **\$5** a hit.

Deerfield Beach, FL

Krypto buds "three hits and you're gone," **\$50-60** 1/4-oz.
Colombian rainbow **\$30-35** 1/4-oz; **\$800** lb.
Afghani hash "heavy buzz; good mix," **\$7** gm.
Jamaican dirtweed "just a mellow buzz," **\$20** 1/4-oz.
LSD: Porky Pig, yellow dragons, microdot, Mickey Mouse, Bullwinkle **\$5** a hit.
'Shrooms "no price—free for the picking; a natural high, the Florida way."

Saugus, MA

Blond hash "hard to light, but worth it," **\$10** gm.
Jamaican brown "two hits and lights out!" **\$50** 1/4-oz.
Panama Red "Holy Toledo... space out time!" **\$50** 1/4-oz; **\$150** oz.

Chocolate Thai "tastes like almond chocolate... Thank you, God!" **\$80** 1/4-oz.

Ann Arbor, MI

Afghan x Hawaiian sinsemilla "awesome!" **\$50** 1/4-oz; **\$600** 1/4-lb.
Hash Oil "sticky and stinky; super stoner," **\$85** for two gms.

Monroe, MI

Skunk #1 "killer; resin city; almost white; outdoor grown," **\$50** 1/4-oz; **\$200** oz; **\$2000** lb.
Skunk #1 "what the fuck is this stuff? you get so high you forget to breathe—GOD DAMN!" **\$60** 1/4-oz; **\$240** oz; **\$2200** lb.
Pluton 2 "how long before we come down off this bud? intense three-hour buzz; don't miss this stuff; well worth the money," **\$65** 1/4-oz.
Thai bud "brown, yellow, and red gooey buds; extremely good," **\$50** 1/4-oz; **\$200** oz; **\$1800-2000** lb.
Black hash "fair to good; this is all that's for sale now," **\$10** gm.
Hash oil "fairly good" **\$35** gm.

Green sinsemilla "long red hairs; smells great, but where's the buzz?" **\$40** 1/4-oz; **\$150** oz.
Cocaine "snowin' early here!" **\$90** gm.

South Hampton, NH

Mexican bud "mediocre high; not impressive," **\$125** oz.

Send quotations to: THMQ, 211 E. 43rd St., New York, NY 10017. THMQ is intended solely for informational purposes. All entries should be typed or neatly written: If you are unable to compose a legible entry after testing your samples, please wait until you have control of your penmanship before sending us your information. Marijuana is listed by 1/4-ounce, ounce and pound prices only. Don't bother sending prices for hard drugs. Prices in this issue are current as of October 20th, 1988.

Dear Readers: Trans-High Market Quotations is *NOT* a mail-order service. Please *DO NOT* attempt to order items which appear in THMQ from the HIGH TIMES office. 'Cuz we *DON'T* sell 'em!

—Edie Barrett

Skunk bud "awesome," **\$50** 1/4-oz.
Black hash "very hard; too expensive," **\$200** oz.
Blond hash "sticky; incredible," **\$180** oz.

East Rutherford, NJ

Blond hash "great buzz when available," **\$10** gm; **\$200** oz.
Jamaican brown "very good for the price," **\$50** 1/4-oz; **\$165** oz.
Hawaiian green buds "sticks to your hands," **\$80** 1/4-oz.
Thai weed "almost gone; very fine buzz," **\$70** 1/4-oz.

Akron, OH

Indica skunk "fresh from CA," **\$75** 1/4-oz.
Brown bud "some okay; mostly sore throat smoke; dryyyy! Santa Marta it's not!" **\$25-40** 1/4-oz.
Green bud "tri-state Mexican; little to be had," **\$30-40** 1/4-oz.
Tri-state skunk "okay," **\$50** 1/4-oz.

Columbus, OH

Commercial Mexican

"shitweed," **\$25** 1/4-oz; **\$100** oz.
Indica buds "the kill," **\$50** 1/4-oz; **\$160** oz.
Homegrown Sinse "third generation; not bad at all," **\$40** 1/4-oz; **\$130** oz.
LSD: death trip blotter "will rock your world," **\$5** a hit; **\$225** a sheet.

Sativa "multicolor; has that old gold taste; some dry and harsh," **\$80-170** oz; **\$1200-1800** lb.
Baby *indicas* "from indoors, sexed, and put outdoors, doing fair; too damn dry this year!" Skunk buds **\$80** 1/4-oz; **\$250** oz.
Black hash (Kabul) "resources exhausted," **\$1900** lb.
Seedless sinse **\$170** oz.
Golden sinse **\$45** 1/4-oz.
Indica "last year's; seeded," **\$250** oz.

North Olmstead, OH

Skunk bud "brain dead!" **\$140** oz.
LSD: white blotter "deadly bear, good

time!" **\$4** a hit.
'Shrooms "OK," **\$3-4** gm.

SK #1 "indoor hydro smoke; truly the best around," **\$200** oz.
G-13 Government Strain "only if you know the right person; very sweet; thank you, Uncle Sam!" **\$300** oz.
SK #1 x AF #1 x NL #5 "this is unreal smoke; very sweet and sleepy," **\$250** oz.
Poly-Pak "Mex x Pakistan strain; very sweet and 'up' type of high; hang on... this one takes you flying," **\$225** oz.
Rud x *indica* "heavy *indica* high; not a personal favorite," **\$275** oz.

Arkansas red "this shit makes you silly," **\$200** oz.
Big Bertha "don't know where it comes from, but it's not local," **\$175** oz.
Haze "not very much around, but if you can get it you won't believe what it does to you," **\$350** oz.

Norman, OK

Tribbey-wildhorse strain #3 "outstanding; couch potato's delight; take a trip in your living room!" **\$30** 1/4-oz; **\$120** oz; **\$1600** lb.
Northern Lights indoor "excellent stoney high," **\$50** 1/4-oz; **\$175** oz; **\$1850** lb.
Skunk #1 indoors "moist; rich; superbly grown," **\$50** 1/4-oz; **\$175** oz; **\$1850** lb.

Mexican mold pot "forget it," **\$80** oz.

Charleston, SC

KGB (Killer Green Bud) "all bud; primo high," **\$35** 1/4-oz; **\$130** oz.
Fake Krypto "watch out; nice high!" **\$90** 1/4-oz; **\$350** oz.
LSD: goony bird "double dipped; damn good; intense trip," **\$4** a hit.
Brown hash "the high sucks," **\$6** gm.
'Shrooms "smell funny; good trip," **\$6** gm.

Sumter, SC

Mediocre brown weed "lots of seeds and stems," **\$40** 1/4-oz; **\$100** oz.
Kentucky sinse "long green buds; no seeds; red hairs; covered with resin; buzz lasts for hours!" **\$50** 1/4-oz; **\$120** oz.

Dallas, TX

Indica "bad ass two-toke stone," **\$40** 1/4-oz; **\$140** oz.
Skunk "big, light green buds; seeing less and less," **\$30** 1/4-oz.
Northern Lights "finally, the black gooey buds are back," **\$65** 1/4-oz.
Moldy compressed red haired sinse "good high," **\$25** 1/4-oz; **\$100** oz.
Green ditchweed "big 13 gram bags, but this stuff still sucks shit," **\$30** for 13 gms.
Decent dark green sinse "good high; good buy," **\$25** 1/4-oz; **\$80** oz.

TRANS-HIGH MARKET LETTERS



MISSOURI

Ganja green has hit the scene! You know, the leafy buds with red hairs growing all over. It's light, too, which makes the quarters BIG! Ah yes, summer's sweet scent—oddly similar to skunk (use the baggie it comes in for an oxygen mask; great smell, wild rush)! Plump, perky buds which burn fairly swift. Harsh hitting, dull taste with a nasty aftertaste that bites. But oh, what a high!

First you take a big, iron-lunged hit which rushes through your system stoning everything in its path, then penetrating the brain. Ooooooh, baby! After another hit, the first one slowly oozes to the surface to buzz ya, the next will rush ya, the third will stone ya...

Oops! Must have blacked out for a second (heh heh)!

Thank you, almighty God! Joplin's been counting on You, and You've delivered! Let us harvest these babies forever (or at least a couple of more happy months)!

The Ganja God isn't done yet, though. Ol' Bud Brown has hit town. Super compact quarters that look like eighths but weigh over a quarter-ounce are here! Like most Missouri bud, this shit just stones you out—physically and mentally. Brimming with hairs, this stuff looks good enough to eat. I love it!

Missouri is loyal to its hard-working poor folk. God bless!

—Wick'n' Jam
Joplin, MO

NEW JERSEY

Sometime in the past two weeks, it was shown on TV that the spraying of paraquat has begun again. This shit has got to stop!

Why do they spray the plant—a natural, non-chemical product—with a drug that kills it (and harms the person smoking it)? When I see on the TV news that this country is selling drugs to buy weapons that kill and is supporting war in other countries, it confuses me.

I really don't care to drink and later be plagued by liver and kidney damage; nor do I believe that those who smoke a joint or two every now and then go onto harder drugs. It is a matter of a person's desire for a "high", isn't it? Just ask all those politicians on Capitol Hill who take their secretaries out for a three-martini lunch (at the taxpayers expense)!

What these people need to understand is that a good percentage of pot smokers (and I'm talking about adults, now) are folks who work and don't let their habits get in the way of their responsibilities. They should think about that over their next liquid lunch!

—R

Jersey City, NJ

NORTH CAROLINA

Just wanted to give you guys some info on the situation here in Asheville, NC... Madison County buds with red hairs are around but in short supply due to a lot of recent busts. The price is \$40 for a quarter-ounce. Shake of the same sells from about \$20 a quarter-ounce (if you know someone) to around \$30 (if you don't). Ounces go for about \$120 or so.

There are also lots of blue 'shrooms from Colorado around—\$5-7 a gram—and some real nice seedy commercial weed, probably from Mexico and up through Texas (at least that's what I hear), for about \$30 a quarter-ounce and \$100 an ounce.

Oh well, keep up the good work, guys!

—A friend

Asheville, NC

TEXAS

Here are some listings for marijuana from Texas, the home of the late, great Janis Joplin—Thai weed (which doesn't smell like much but has true *indica* presence) runs for \$30-35 a quarter-ounce. Our Hawaiian herb is much more powerful and sells for \$5 a gram, \$35 a quarter-ounce, and \$300-325 a quarter-

pound. I've had stronger Hawaiian in California, but that doesn't mean that this stuff is any less than excellent!

There are two varieties of skunk going around. One, which goes for \$35 a quarter-ounce and \$1100 a pound, is getting harder to find, which is a shame. It was the lemon-lime-iest herb to be found for months. The other is similar in taste, but requires a few more bong hits to reach the same heights as its predecessor.

Other than that, the same Mexican *sativa* continues to be supplied at \$200 a quarter-pound. But bargains run aplenty.

Coke goes for \$20 a quarter-gram and \$200 an eighth. But again, bargains can be found.

Austin is welcome relief from all the madness, though. Much more relaxed, and there are plenty of psychedelics. 'Shrooms (some field-grown, some from indoors), can be found for \$4-6 a gram and \$250-300 a quarter-pound. LSD can always be found for \$4 a hit (gooney birds and globes, which are slightly on the strychnine side, but there are kaleidoscopes around which are 15 hours of pure cosmicness).

Also, I understand there is a NORML chapter in Austin now. They have been getting a lot of media and press attention in the daily *American-Statesman* (which sucks), the bi-weekly *Austin Chronicle* (which is a vast improvement), and the TV and radio markets (which, with the exception of University of Texas public and student radio, also suck).

The best argument I've come across is an extremely cohesive one in *The Economist*, a weekly British news magazine calling for the legalization of all drugs. They beat out *Time* and *The Washington Post* by about a month for arguing for legalization. Their argument goes as follows: First, prohibition doesn't work. Second, prohibition creates a black market controlled by profiteers and scam artists. Third, such a market can't be taxed. Finally, maintaining the current laws will cost huge sums of money.

All these ingredients inspire a few thoughts: the legalization of all drugs, the control of all sales, and, of course, the taxation of said sales.

Really, can you imagine that in 20-30 years there will still be a War on Drugs? Just say no.

I'll close on that note. It's time for some more bong hits.

—JH

Austin, TX

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NORML-IZE R

continued from page 23

press. All of you know where I stand on this issue and what I think of the current drug policy. I think by now the Government knows who I am, what I do and where they can find me.

However, they don't harass me because they don't have proof I have broken any laws. In fact, as far as my work with NORML goes, I haven't. Dissent is legal in America. They can't suppress us for dissent, despite their herculean attempts to. And they can't harass you either. It's against the law.

I'm not suggesting that HIGH TIMES readers start talking as openly about their marijuana use as I do my own. The point is you don't have to talk about your own experience with marijuana to dissent. Any citizen, whether they use marijuana or not, has a right to have an opinion about current policies and an obligation to express it. After all, the Government claims to act in your name.

They want you to think that if you use drugs you no longer have a right to dissent or make your opinions known. In fact, they are trying hard and fast to convince you and the rest of the public that the opinions of people who use drugs are not important. Your silence is their victory.

So let's confront our paranoia straight on.

Let's get the public to understand just what they support when they support a war on marijuana.

Let's acknowledge that our democratic freedoms protect our right to dissent and that the Government's purpose is to discourage us from exercising that right.

Let's acknowledge that if we're afraid to get involved, then we've surrendered.

And finally, let's acknowledge that righteous indignation is about as worthless as paranoia.

The proper response to suppression is resistance, and resistance is the sum of ongoing activities. We must work hard to show that we are not afraid, that we will not surrender our rights and that our work is an ongoing demonstration of our values and convictions as American citizens.

For more information about NORML's Ongoing Demonstration, purchase NORML's organizing manual "Marijuana Reform and Social Activism" by Jon Gettman, for \$10, from NORML, 2001 S St. NW #640, Washington, D.C. 20009

RALLIES FOR THE CAUSE

The Marijuana Action Committee, based in Madison, Wisc., has announced a series of rallies that will take place in Illinois in April. They are:

April 19—Hash Wednesday on the Quad at the University of Illinois, Champaign-Urbana campus.

April 20—at either Western Illinois University in Macomb or Illinois State in Bloomington.

April 21—at Southern Illinois University in Carbondale.

April 22—at Buckingham Fountain in Grant Park in Chicago.

April 23—at the old statehouse in Springfield. Rally will proceed to new statehouse.

For more information, call: **608-257-KILO**. April ralliers should also mark the 1st on their calendars. That's the date of the annual Hash Bash in Ann Arbor, Mich.

Send info regarding rallies and events in your area to HIGH TIMES, c/o Highwitness News. Make sure you tell us four months in advance so we can give people adequate time to make plans to attend. ●

CALLING ALL NEWSBOYS!

The crack HIGH TIMES news staff (both of us) have been staggered under the weight of the newsclip avalanche you guys have been heaping on us. Not that we're complaining...the stuff has been immeasurably valuable, helping us clue in to what's going on around the country far better than our meager resources would normally provide.

We'd also like to make a special request for info on large-scale growing-operation busts (big outdoor fields and hi-tech indoor grow rooms especially). Local paper clips with snazzy pix are most welcome (on these we *definitely* want newspaper name and locality along with the date). We're attempting to compile a bunch of these stories, with the most common reasons for the busts (electricity tracings most often), and clues to avoiding the most obvious pitfalls. ●

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OUTLAW NATION

continued from page 25

peace? The Palestinians want a homeland with self-government. The Israeli government claims that an independent Palestinian state would be too much of a threat to Israel's security. Israel and Egypt have a non-aggression treaty (the Camp David accord). Egypt is the only Arab state with which Israel is "at peace." Israel's main external threats are Syria and Iraq.

Right now, the internal threat posed by Palestinians is of greatest concern to Israel. Consider the following:

*Many Palestinians are willing to sacrifice themselves by fighting for their cause.

*The Palestinians have a much higher birthrate than the Israelis and will become a majority of the population of a combined Israel and its territories early next century.

*The Palestinians are supported by the surrounding nations, who give them financial aid.

*Many of the exiles have become successful in their adopted homelands

throughout the world and are willing to help their brethren in the vigil for a homeland—much in the same way that Jews around the world have long aided Israel.

The occupation has had a tremendous impact on the Israelis. They have always lived with the stress of the possibility of war. Now their citizen army, well equipped for battle, is an oppressive occupying force. In order to maintain security, they have created a system resembling South Africa's apartheid. Some commentators have noted that Israeli soldiers who beat and shoot civilians have a hard time re-integrating into Israel's civilian life.

Israel has had a better history dealing with external threats than as an occupying force. Maintaining internal security within a rebellious population takes more resources than vigilance against external enemies. In a war, a country can take decisive actions. Peacetime occupation, however, is governed more by diplomatic realities and world opinion.

Allowing the Palestinians their own state would solve many of the problems that Israel faces today. 1) Palestinian population growth would not

threaten Israel's demographics. 2) Israel presumably would have the use of Palestinian labor in much the same way that thousands of Mexicans legally cross the border daily to work in American factories. 3) The Palestinian state would be responsible for maintaining a peaceful border with its neighbor, Israel. If security problems occurred, Israel could use effective military solutions rather than civil procedures which have not been effective during the uprising. Most importantly, Israel can concentrate on external threats rather than having to deal with a restive captive population.

Further advantages might also follow. Since its birth, there has been little commerce between Israel and its natural trading partners. Peace would open up incredible economic opportunities for the nation. Although the country would still need a strong military, much of its resources could be shifted to more promising uses.

In the last three years, the PLO has indicated that it is willing to negotiate a settlement, but Israel has been intransigent. Can Israel make peace? Only if it is willing to give the Palestinians their homeland. ●

WASHINGTON FLIPS

continued from page 19

of illegally-gathered evidence, for drug offenders—30 representatives and three senators (Mark Hatfield, R-Oregon; William Proxmire, D-Wisconsin; and Daniel Evans, R-Washington) opposed the bill. But when the two bodies worked out a compromise—removing the worst breaches of civil liberties—the bill finally passed.

It's interesting to note that (1) Michael Dukakis probably would have vetoed the bill, given the chance (he told Ted Koppel on the October 25 "Nightline" interview that he was against capital punishment and therefore did not favor the bill) and (2) many of the politicians who ran scared when faced with the overwhelming support of the Drug Bill had nothing to be afraid of—all 11 representatives were re-elected by no less than a 72 percent majority. If the voters are so hysterical about drugs, then why weren't the Washington 11 booted from office?

Speaking on the side of sanity was the *New York Times* when it editorialized: "Capital punishment does no more than pander to public lust for blood on the drug-crime issue...America needs a drug bill, but not one that flashes empty promises under campaign pressure."

While the *Times* may have stuck to its guns, many politicians didn't. Rep. William Hughes (D-New Jersey), chair-

man of the subcommittee on crime, said about the bill, "They just went too far on some of these things. Anything that sounded tough on drugs they voted for, whether it made sense or not." So it made sense then that Hughes would vote against the bill, right? Wrong.

Most HIGH TIMES readers need not concern themselves with the bill's death-penalty provision for so-called drug kingpins. It's the \$10,000 fine for possession that's got people firing up angry bongfuls. "This is outrageous!" was how Captain Beyond put it in one of his many Drug Bill-related communiques.

Outrageous indeed.

At first, the bill permitted the Justice Department to try a defendant in a civil hearing (like a traffic violation), without the need to prove him guilty beyond a reasonable doubt. This was amended, at the insistence of the Senate, to allow the defendant a criminal trial in which a jury must decide based on leaving no reasonable doubt.

NORML's Jon Gettman says the \$10,000 is a "kind of decriminalization. Let's say you're found with a small quantity and there's sufficient evidence. You have 30 days to request a hearing before an administrative law judge. It's a civil matter first. After the opinion is issued you have 30 days to appeal. Then it goes to a U.S. District Court and becomes a criminal case. But this can't happen if you were previously convicted on a drug charge. But what does previous mean? Prior to this law?

"The goal is to keep [small quantity] possession out of the courts. But if you fight it, it'll cost you at least \$10,000 in legal fees. That's the Achilles' heel. I just don't think US attorneys are going to waste their time on this. It'll be the same as their response to 'zero tolerance.' It's a chance the fine won't be used at all, or at least selectively. The danger is in copycat laws on the state level."

Only two days after the Drug Bill passed, New York's Mayor Ed Koch suggested that licenses for drivers as well as for doctors, lawyers and other professionals should be suspended upon a conviction for selling or possession of drugs. This followed, by a day, a proposed package on drug legislation drafted by the City Council's Majority Leader Peter Vallone which would create numerous civil penalties for drug dealers.

Gettman is equally concerned about the bill's provisions which allow for the denial of Federal benefits like student college loans and mortgage guarantees and Federal licenses for pilots and stockbrokers. "This is a question of dubious constitutionality," he says. These provisions will not take effect until September. But by May, President Bush will be required to recommend to Congress what benefits should be withdrawn after a conviction. He'll also advise on whether a state judge could constitutionally rule on withdrawal of Federal benefits. In next month's NORMLIZER, Gettman will go into further detail on these questions. ●



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WHY PROHIBITION HAS FAILED

Marvin C. Miller, Esquire

On September 28th, The House Select Committee on Narcotics Abuse and Control, headed by Congressman Charles Rangel, heard testimony from a variety of sources regarding the pros and cons of legalizing drugs. Pro-legalization speakers included Mayor Kurt Schmoke of Baltimore, Arnold S. Trebach, and Senator Joseph Galiber of New York. The following statement was presented to the House Select Committee by Marvin C. Miller, Esquire, on behalf of NORML.

Drug Availability Is Unchanged.

Despite the "War on Drugs" and the recent tripling of the resources committed to it, drugs are still as available as ever. During the December 1987 hearings conducted by this Committee, the Honorable Chairman of this Committee asked Mr. Francis A. Keating II, Assistant Secretary of the Treasury (Enforcement), Acting Chairman, Drug Law Enforcement Coordinating Group, National Drug Policy Board, the following question:

"... I am just asking; as a result of all these efforts in the increase of expertise, technology, and efforts put into this area, are you suggesting that there might be one ounce less of heroin, opium, cocaine, or marijuana on the street as a result of that?"

Mr. Keating: "No."

Mr. Keating was correct. Availability is unchanged by current policy.

The State Department reported a 25% increase in foreign marijuana production during 1987 and the Drug Enforcement Administration estimated a 50% increase in domestic production, after eradication, during the years 1986 to 1987. Mark Dion from the Department of State in earlier Congressional testimony estimated that as much as nine thousand metric tons of marijuana were imported into the United States in 1986 alone.

There are indications that the government figures on the number of metric tons available in the United States, as high as they may seem, nonetheless, are underestimated. This is demonstrated by an observation of the President's Commission on Organized Crime (1986) which noted that in 1984, the Mexican police, in raids on only five farms, seized over two thousand metric tons of marijuana. This was eight times more marijuana than Mexican and American authorities had previously claimed was being produced annually throughout all of Mexico.

Wesley Pomeroy, founder of the Law Enforcement Assistance Administration and a former police chief, said in a recent issue of the *Drugs and Drug Abuse Education Newsletter* what many in law enforcement will admit, if they can speak off the record, and that is that marijuana cannot be controlled. It is a weed that can be grown anywhere. The greatest amount of marijuana actually destroyed by eradication is that which is grown wild rather than that which is cultivated for consumption. Eradication will not stop people from smoking marijuana.

At present marijuana is part of an unregulated, untaxed, underground market. If allowed to surface, marijuana could be better controlled and at the

same time, turned into an asset to be used against other more harmful substances.

Prohibition Fuels The Underground Economy.

Wharton Econometrics determined for the President's Commission on Organized Crime in 1986 that one-half of organized crime's revenues were derived from illegal drugs. Prohibition has created an enormous underground economy which is totally untaxed and unregulated. Large sums float around the economy but do not contribute to it. These sums are not available for use in drug education and treatment. Taxation and regulated availability of marijuana would allow us to educate and treat those with hard drug problems.

It is estimated that the domestic marijuana crop is the largest cash crop, overall, in the United States. It has an estimated value of thirty-three billion dollars. Revenue from this large cash crop could be used to improve our economy. The tax revenues could fund treatment and education for those addicted to hard drugs.

It is clear that the unintended beneficiaries of our current drug prohibition include those whose profits have increased because prohibition causes higher prices. In the 1980s, like in the 1920s, Prohibition and the application of increased penalties increases the risk which, in turn, increases the price and the profit. Since the actual costs of production remain about the same, the profit margin increases.

Interestingly, Prohibition's inclusion of drugs such as marijuana with hard drugs such as crack/cocaine and heroin, has also contributed significantly to the prevalence of hard drugs in our underground markets and in our society. One can obviously smuggle a smaller amount of cocaine at a significantly greater value with less chance of detection than it would take to smuggle a larger amount of marijuana of comparable value. Smaller is easier. DEA reports indicate that the costs of bulk cocaine in Florida has gone down dramatically while the cost per unit on the street has remained the same. An obvious effect of this is to increase the margin of profit. It is also demonstrative of the increased volume. The underground market has an interest in turning people toward more harmful drugs since they are easier to handle and produce easier profits. Lumping marijuana with hard drugs is counterproductive and makes this underground market more harmful to our society.

This highly profitable underground market is not going to be eliminated by brute force. Massive police sweeps, as demonstrated in the District of Columbia and elsewhere, may disrupt the

underground market place or cause it to move to a different location, but they do not eliminate it. A young person from an urban ghetto who has no hope of a real future often would rather stand on the street corner and make a thousand dollars a day selling crack/cocaine than work harder and longer hours for the minimum wage in a fast food restaurant. Profits fuel this illegal drug system and prohibition drives up prices and increases profits.

This blackmarket economy has so much money that its vast temptations extend beyond the urban poor and reach out to law enforcement. There now appears to be, on the average, more than one hundred cases of drug-related police corruption prosecuted every year. Officers have been known to rob drug dealers of cash because they cannot complain. Some even rob drug dealers of drugs which they later resell because they know that there is no place for the victims to go.

There are even some experts who believe that the proliferation of crack/cocaine in our urban areas is related to the increased profits which are the natural corollary to increased prohibition efforts. Crack is a drug-dealing MBA's ideal. It is easier to move around than something bulky like marijuana and the profit margin is greater. It is also cheaper to produce. It can be sold at a relatively low cost while still making a large profit and it, unlike marijuana, creates an addictive customer. It is a marketing idea generated by prohibition. It expands the illegal market and the illegal financial empire of the underground drug economy. Why take the same risk for marijuana as for cocaine when there is more money in cocaine? Prohibition makes cocaine more attractive to market forces than marijuana.

The Cure is Worse Than The Disease.

Many more problems are caused by prohibition than it cures. The increased homicide rates in cities such as our Nation's Capital are directly related to the enormous profits to be made by trafficking in prohibited substances. They are the result of turf wars between people seeking to cash in on this lucrative market. This illegal, uncontrolled market also strives to aggressively advertise its product and spread its tentacles. As soon as one person is arrested, another steps up to take his or her place and grab for the money ring.

Because this underground marketplace is unregulated and uncontrolled, there is no quality control. People die of overdoses on hard drugs because the product is too impure or too strong and they are unaware of it. Harmful fertilizers and pesticides such as paraquat may be used and the unaware consumer suffers the health consequences.

¹Hearing, 8 December 1987, Select Committee on Narcotics Abuse and Control, House of Representatives, p. 43.

Other adverse health consequences caused by this underground market which prohibition has created include the fact that 50% of all AIDS victims, whether homosexual or heterosexual, contract the disease through the intravenous use of illegal drugs. In March 1988, the President's Commission on AIDS recommended that one solution towards the AIDS epidemic would be to provide drug treatment programs for all those who need it. Under our current policies, the greatest emphasis is on arrest and prosecution. There are insufficient resources available to provide treatment.

Marijuana arrests for simple possession comprise the greatest bulk of all drug arrests. The funds spent on marijuana prohibition should be diverted to help the tens of thousands of people who would like to obtain treatment for hard drug problems but have no place to go. Making marijuana available through taxed, regulated control would release a lot of resources that could be put to better use. Rather than criminalize productive citizens who occasionally smoke marijuana, we should allocate these resources to treating and educating those with hard drug problems.

"It is estimated that the domestic marijuana crop is the largest cash crop, overall, in the United States."

Too Little for Too Much.

The cost in human lives and money occasioned by the current prohibition policy, in many respects, is far more harmful and deleterious to the Country than are the controlled substances themselves.

In the past several years, the federal enforcement budget has gone up approximately three billion dollars; yet, as Mr. Keating noted, not one ounce less is kept off the streets. We now spend approximately ten billion dollars a year on drug prohibition nationwide. Our efforts are ineffectual and misguided. Throwing money and brute force at the problem is not the answer. It is simple and easily saleable, but it does not work.

The largest portion of our budget is wasted. Well over 75% of all drug arrests are for simple possession. Of these arrests, the vast majority, by far, are for marijuana. Indeed, marijuana arrests comprise about 40% of the total of all drug arrests nationally.² Simple marijuana possession accounts for 93% of these arrests.³ With marijuana

possession cases accounting for the bulk of all state and federal drug arrests in this country, we are wasting significant resources that could be allotted to treatment and education for hard drugs.

It seems counterproductive to spend billions of dollars and tie up the vast majority of our time and effort going after marijuana possession when tens of thousands who are heroin and cocaine/crack addicts are left in the criminal milieu, unable to get treatment for their problems. It is not sensible to devote so much of our enforcement budget to suppression of a relatively benign substance such as marijuana which has no toxic dosage while letting those addicted to such severely debilitating drugs as crack/cocaine and heroin go untreated for a lack of resources.

Given the fact that we have a ten billion dollar national budget for state and federal efforts and that 40% of all drug arrests relate to marijuana, removing marijuana from this prohibition effort would free enormous resources for more practical application.

In California, for example, a 1987 analysis of the fiscal savings attributed to the decriminalization of possession of an ounce or less of marijuana indicated that

marijuana might be as high as fifty million dollars annually. That large amount resulted in punishing only 1% of the user population. The cost of the prohibition policy and punishment was considerable. Not only were taxpayer funds expended to little effect, but a lot of damage was done to the private lives of otherwise law-abiding citizens. Many ordinary people from all walks of life were arrested and jailed on marijuana charges. They would not be criminals by any definition of the term other than by their act of possessing small amounts of marijuana. These people are being punished but there is little noticeable effect on the marijuana situation in Texas. The only thing disrupted is these individual lives. It costs millions of dollars to the Texas taxpayers while having a nil effect on marijuana use.

This Texas report estimated that in the United States, as a whole, one in ten people might possess small amounts of marijuana for personal use, with as many as one in four having experimented with it or perhaps using it occasionally. That left approximately one and a half million Texans who regularly violated the law and over three and one half million who have or occasionally violated the law. Cost benefit analysis indicated that there was, as has been shown in California, a misapplication of resources in the marijuana prohibition laws.

Applying the lessons to be learned from the Alaska, California, and Texas situations to the national marijuana prohibition policy teaches us that the current policy of marijuana prohibition is counterproductive to the overall policy of addressing our national drug problems. We spend ten billion dollars from the coffers of the states and federal government on drug prohibition. We expend the largest portion of these resources on the simple possession of one single drug which is the most benign of them all, *i.e.*, marijuana. We criminalize approximately 1/3 of our population, the fifty million marijuana users, because they smoke marijuana while ignoring the treatment needs of tens of thousands of people who want help for their hard drug problems. Treating all drugs the same is not cost effective. We are wasting our resources. In 1982, the National Academy of Sciences recognized, after five years of study, that regulated availability of marijuana ought to be allowed, on a state-by-state basis. It is a matter of states' rights, not federal action. Our current policy ignores the plain fact that not all drugs are the same.

Not All Drugs Are The Same.

Lumping marijuana with crack/cocaine, heroin, and other more severe substances is as impractical as it is inaccurate. Marijuana is not addictive, is not a gateway drug, does not lead to

the total savings for the period of 1976 through 1985 was close to one billion dollars.⁴ This policy generated additional revenue income in the neighborhood of four million dollars.

Alaska has allowed marijuana to be available for personal use for 13 years with no deleterious consequences and at great savings. Indeed, it is better off than many other states because it's not fueling an underground market, nor is it criminalizing its citizens for a lifestyle choice. That state does not have the rampant increase in drug problems that many incorrectly claim happens when marijuana is made available.

In Texas, by comparison, they still prosecute all levels of marijuana possession. The lack of benefit, compared to the enormous costs involved, has given cause to some legislators to consider changing the law. In a report prepared for Texas State Senator Craig Washington, it was estimated that the actual amount of revenue expended per year to punish those who possess minor amounts of

²Uniform Crime Reports of 1987 by the Federal Bureau of Investigation at page 163 and 164.

³Uniform Crime Report of 1987 by the Federal Bureau of

Investigation at page 163 and 164.

⁴Report entitled *Fiscal Savings In California Law Enforcement, 1976-1985*. Copyright 1987, Medi-Comp Press.

violence, and does not exact the costs to our society as do other drugs such as alcohol and tobacco.

Nearly all drugs and medications have toxic and potentially lethal dosages, but this is not true for marijuana. There are no documented user fatalities. As a Drug Enforcement Administrative Law Judge recently found, the consumption of ten raw potatoes can cause a toxic effect on an individual but it is not physically possible to eat enough marijuana to induce a toxic overdose. There is no credible medical evidence that marijuana has caused a single death. Contrast this to aspirin which causes hundreds of deaths every year by overdose.⁵

Each year alcohol abuse costs this nation about one hundred billion dollars and contributes directly to between 80-100,000 deaths and indirectly to another 100,000 deaths.⁶ According to the Surgeon General of the United States, there are approximately 300,000 tobacco-related deaths each year. The 1988 Surgeon General's report also listed tobacco as a more harmful drug than marijuana. It and *not* marijuana is the gateway drug.

Insofar as drug-induced violence is concerned, 54% of all violent criminals

skilled and dedicated men and women. They are people from all walks of life who have used marijuana and are none the worse for wear because of it. Making these fifty million citizens criminals does more harm than good.

Removing Marijuana From Current Drug Prohibition Would Help Solve The Nation's Drug Problems.

Marijuana is the most widely used of all drugs currently prohibited. It is the one which has the least potential for abuse. It has less toxic potential than alcohol or tobacco. It is not a gateway drug such as tobacco. Alcohol and tobacco combined contribute to 500,000 deaths each year in the United States. This is not true for marijuana. Alcohol contributes significantly to 54% of all violent crimes in the US. This is not true for marijuana. Alcohol costs the country one hundred billion dollars in economic losses each year. This is not true for marijuana.

Prohibition of marijuana does, however, criminalize tens of millions of law-abiding Americans who, except for

be diverted towards education and training for drugs that present a greater problem to our society, but this policy change would also generate revenues in the neighborhood of ten billion dollars per year. It would no longer be necessary for tens of thousands of drug addicts to be compelled to remain in the criminal milieu because there is no treatment facility available for them. It would make it possible for the government to begin to use the most proven and reliable means known for changing societal behavior, *i.e.*, education.

The regulated, taxed availability of marijuana would allow billions of dollars that are now channeled through law enforcement and the backways of illegal blackmarkets to be used to educate and treat those with hard drug problems. The criminal law systems' resources could then be devoted to those areas which have a greater, direct and more deleterious impact on society.

This would not be a surrender to the dealers. It is a means to take them out of the blackmarket. It is not an endorsement of use but recognizes that it is a matter of choice. When we tell young people about the harm of drugs, if we honestly admit that marijuana is not as harmful as other substances, something they already know, then they will more likely listen to and believe us when we warn them about other drugs. If you tell young people lies about one thing, they will likely not believe you about anything else. To lump marijuana with hard drugs and treat all of them the same is to not tell the truth.

Regulated, taxed availability would reduce overall drug use. In 1979, the Dutch government made marijuana possession and minor distribution no longer a crime. As a result of their practical approach to the drug problem, the number of new users decreased and general use steadily declined.⁷ The number of heroin addicts stabilized and has not increased. The number of heroin addicts is slowly decreasing. It appears as though individuals, when faced with the option of having marijuana available legally, do not go to the use of illegal hard drugs.

The distinction the Dutch government has successfully drawn between hard and soft drugs has not only led to an overall reduction in the use of all drugs, reduced the rate of increase in the use of both hard and soft drugs, but has also stabilized the crime rate. Most drugs are consumed in Amsterdam; yet, in 1987 its overall crime rate was reduced between 8% and 10%.

The sensible Dutch policy recognizes that criminalization and demand creates a supply of high price, high profit and unregulated quality which leads to

continued on page 77

"Eradication will not stop people from smoking marijuana. Its regulated availability ought to be allowed."

serving prison sentences report that they consumed alcohol shortly before their violent crime. Marijuana is known to be a drug which induces serenity rather than violence. It is not known to create psychotic violent behavior like PCP and does not induce criminal activity as do other drugs.

The Surgeon General in his recent report in March of 1988 recognized that marijuana is not a major gateway drug into other substances. The biggest gateway drug is tobacco.

Marijuana users do not go about committing other crimes to support their recreational use. The fifty million Americans who use marijuana are generally productive members of our society. Their only criminal association occurs because marijuana is a prohibited substance and its possession is a crime. They are forced to have contact with and fuel the underground market in order to obtain marijuana for their personal use.

They should not be cast out of society because they prefer marijuana to scotch, gin or bourbon. They are educated,

their occasional use of marijuana, would not otherwise be the least bit involved in the criminal law system.

Removing marijuana from the current prohibition scheme and making it available through taxed, regulated access would also deprive the blackmarket economy of an enormous economic resource which it currently uses to fuel other criminal activity. It is estimated, for example, that organized crime derives 1/2 of its resources from drug profits. While marijuana is the most, shall we say, entrepreneurial drug in the underground economy, the income derived from its sale nonetheless fuels a large unregulated and untaxed blackmarket.

Crop value estimates place the domestic crop grown in the US at a value of nearly ten billion dollars.⁷ It is believed by some to be the largest single cash crop in our country. Given the underground nature of the market, these are conservative estimations.

Taxed and regulated availability would not only liberate billions of dollars in law enforcement resources and allow them to

⁵In *Re Marijuana Scheduling Petition*, Docket No. 86-22.

⁶Research Triangle Institute Report, June 1984 and *The Public Interest Magazine*, Summer 1988 at page 24.

⁷The DEA estimates in the 1987 NNICC Report that 7.7

million pounds are grown in the US annually. They also quote prices at about \$1,000.00 a pound.

⁸*Drugs and Drug Abuse Education Newsletter*, June 1988, Vol. 19, No. 6, at page 52.



The War on Drugs is about to awaken a sleeping giant: the cannabis reform movement. This movement was lulled into a stupor by a combination of creeping decriminalization legislation and governmental propaganda. Those days are over. The pot-consuming citizens of this country are a very forgiving bunch. Fortunately, however, they do have a threshold of abuse, and the Omnibus Drug Bill is the first major governmental foray across that threshold. In

ten years, the Bill will be seen as the modern equivalent of Nixon ordering troops into Cambodia, an event that sparked major riots in college campuses across the nation. However, unlike the Cambodian invasion, response to this Bill will not come overnight. It is the responsibility of every pot-smoking citizen out there to WAKE UP, ORGANIZE, and TAKE TO THE STREETS! DO NOT WAIT FOR SOMEONE TO TELL YOU WHAT TO DO! JUST DO IT!

If you're a cannabis consumer, you probably don't realize the extent of your repressed anger over this country's insane drug policies. Most of this anger is the result of the persecution you have suffered from family, police, and the court system.

For hundreds of years, black Americans were persecuted and they made very little headway until the Civil Rights Movement. The anger of black America was never felt until the freedom marches

and sit-ins of the '60s. That is why it is so important for every pot smoker in this country to become actively involved in the pro-cannabis movement.

For the first time, I marched in Madison this fall. I was totally unprepared for the emotions that overtook me as I marched down State Street to the Wisconsin State Capitol with 15,000 others. A tremendous cathartic release was unleashed from the depths of my soul. I looked

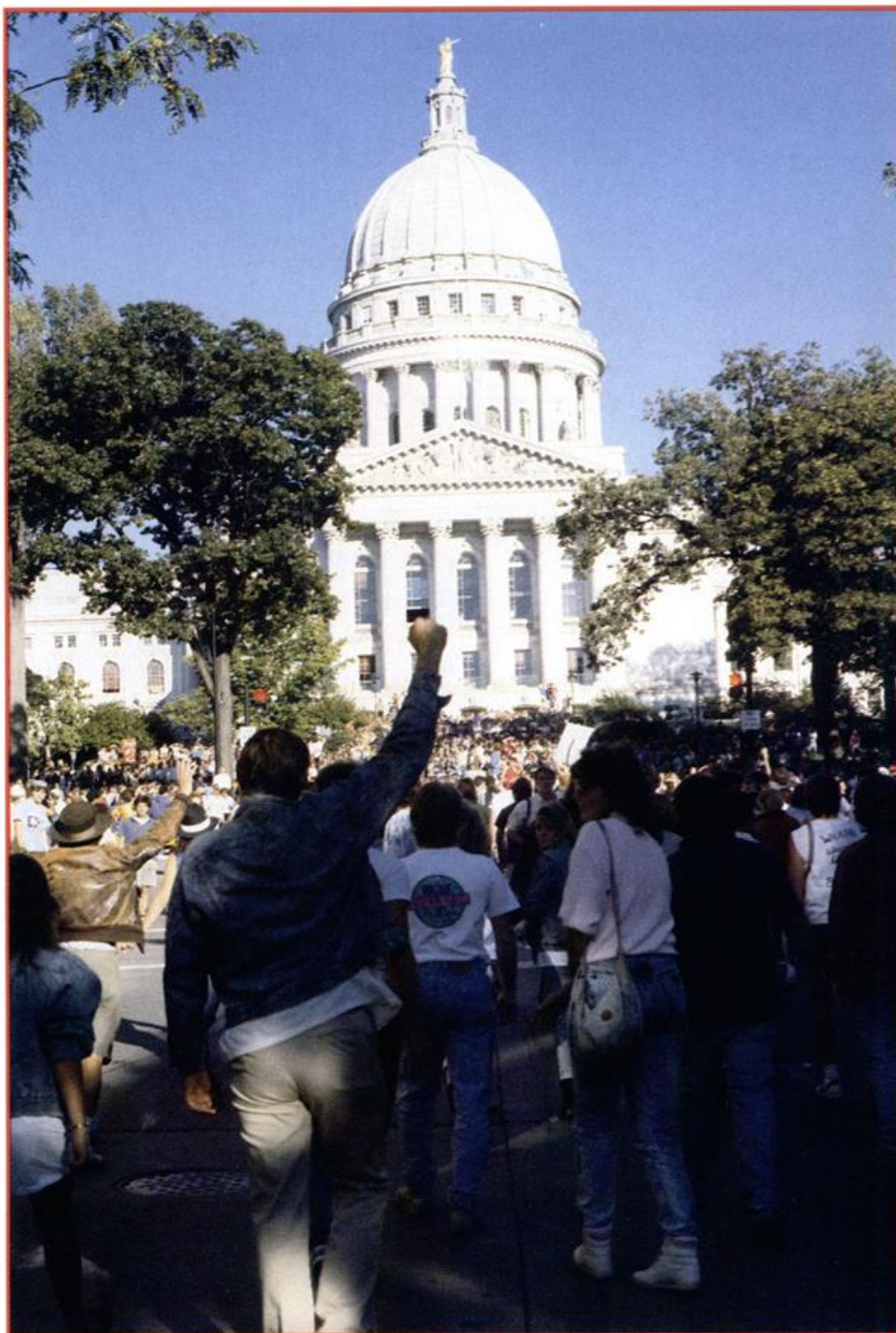
around and saw that similar emotions were being felt by many others, some of whom had come from as far away as Alaska and Australia just to participate in this annual event.

We are not criminals! We are not drug addicts! We are responsible citizens who want to be left alone!

Despite the massive size of the crowd, the Madison rally

Right: The advance guard seizes the Capitol, despite the absence of a permit.





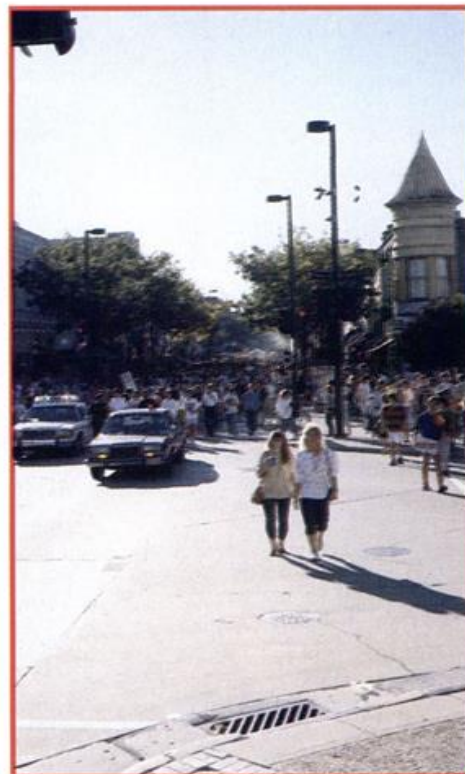
The marchers arrive at the Capitol.

received no national media attention—as usual. They will continue to ignore us until there are too many of us to ignore. That is why it is so vital for you to make your travel plans to Madison for next year.

We know the value of the cannabis plant: the stalks produce the most durable fabric on earth; the seeds are the cheapest source of

methanol; the flowers produce a medicine useful for the treatment of many diseases and disorders. The oil lobby, the alcohol lobby, the tobacco lobby, the pharmaceutical lobby, have all stood in the way of legalization. Why? Because they don't want the competition this remarkable plant will bring.

God gave us the cannabis plant. Let NO MAN take it away.



The orderly procession was led by two police cars.



Ben Masel, Ed Rosenthal, Dana Beal, Jack Herer, Jon Gettman.





Rosenthal, guru of ganja, addresses the protesters.

Pot protesting is fun!



Interview: Ben Masel



*Counterculture Hero of the Year,
Ben Masel.*

"Legal in '89"

by John Holmstrom

Ben Masel is the organizer of the Great Midwest Marijuana Harvest Festival, the world's biggest pot protest (see related story, page 36). Ben has been politically active since he was a teenage Zippie, organizing the Pee-In and getting arrested for nonviolently protesting the Vietnam War at the 1972 Republican Convention in Miami. Recent activities he's particularly proud of include involvement in the grassroots impeachment campaign against Reagan, Bush, and Meese, as well as the two-week takeover of the Wisconsin State Capitol in 1978, in support of a law to force the state to divest itself of investments in South Africa.

Ben organized his first Madison rally, then called a "Smoke-In," in 1975. The pot protest scene cooled off in the early '80s, and rallies were only sporadically thrown until 1985. But as the war on drugs has heated up, the pot protest scene began growing again, and the crowds have multiplied.

This is the latest in a series of interviews we're running in preparation for a special issue devoted to Tom Forcade, the late, great founder of HIGH TIMES.

HIGH TIMES: Somebody said that the 15,000 people at the 1988 Madison Festival was one of the largest pot protests in the history of the movement.

Ben Masel: There are about three that I know of that were of comparable size, just slightly larger. One was in Dayton, Ohio in 1978, which a couple of high-powered radio stations jumped on with a couple of other big events in town that weekend. It was on the same scale. The biggest pot rally ever was in Washington D.C., in 1970. The third was also in Washington D.C., in 1978. It went for four days, from the first of July through the fourth—we're talking about a whole weekend.

HT: Did Tom Forcade help organize that event?

BM: He was helpful. He wasn't intimately involved. HIGH TIMES supported it something along the scale of what we're talking about doing now. He gave us ad space, and put it on the cover, right on the banner. That way, even people who didn't buy the magazine ended up knowing about the event. Is there any chance that you could do that sometime in the near future?

HT: Possibly. Definitely—if the readers write in and tell us to do it.

BM: He also got Laraine Newman to wear a t-shirt for the rally on *Saturday Night Live* in 1978.

HT: Why do you think so many people showed up for the Great Midwest Marijuana Harvest Festival this year?

BM: One reason is that people have known to expect a good time because it's happened so many years now. We've put a lot of effort into leafletting—getting flyers in the hands of every head for hundreds of miles. It's also the time of year.

HT: Is leafletting a good way to meet people? Do you meet lots of girls?

BM: For sure. You meet a lot of people in the course of getting leaflets out. An awful lot of people. I get turned on to more joints than I'm able to smoke! And I'm quite silly by the time the day's up. Even in the depths of this fall's drought, at the Eric Clapton show I must've been offered 40 or 50 joints in the course of two hours. I couldn't keep up with all of them and keep leafletting.

HT: How many leaflets did you give out?

BM: We printed 100,000 this year, and all but a few hundred got out.

HT: Let's say someone out there is planning a rally. How many flyers should they hand out at a typical rock concert?

BM: Well, over the five-day stand with Dylan and the Dead we went though

33,000, but there are not too many opportunities to get that many out.

HT: How many people did you organize? Twenty?

BM: Including people we found once we got there, yes. Two of us did Pink Floyd at the Coliseum and got out 9,000 in a crowd of 70,000.

HT: So you pick an event where you know a lot of people will be sympathetic to the cause.

BM: Especially where you have a rich concentration. But even if only ten percent of the people at the state fair are interested, ten percent of 200,000 people gives you 20,000 people. County fairs are just as appropriate, or big factories, where the workers might want to protest pot laws or even urine tests.

HT: What other tricks of the trade have you used to publicize it?

BM: Lots of calls to the call-in shows have certainly helped generate discussion of the upcoming rally.

HT: Like Larry King?

BM: The local ones are easier to reach. Once you've got one or two calls that mention your rally, they generate more calls. We once sent letters to a couple of Congressmen about the Washington rally, saying we were outraged parents whose daughters had received the flyers, and we got Jesse Helms to send out his own press release for us denouncing it.

HT: Don't you think that could be detrimental in the long run to the pot movement, getting the other side fired up against drugs?

BM: I think when you get them denouncing our rights to exercise our free speech, it's time to change the laws. You've got people who are going to be spewing venom anyway, you may as well get them to advertise your rally while they're at it. "How I Played Jesse Helms

continued on page 42

ATTENTION!

Opposite page: A standard pot protest flyer. USE IT FOR YOUR PROTEST! Just write in all the information in the spaces provided, tear it out and print it up. Well—what are you waiting for?!



Protest the government's assault on your rights!

Organize your friends and attend!

Take a stand and demonstrate!

Featuring: _____

Place : _____

Date: _____

Time: _____

Rain date: _____

Contact: _____

BYO

This action protected by the First Amendment.

How to Organize a Pot Protest by Ben Masel

● **Set The Date**—Before you commit yourself to printing up flyers and contacting the press, make sure you have the right location and date, as well as a rain date. Remember: *Lead time is the biggest draw there is.*

● **Find a sympathetic lawyer**—This is important, not only if there are busts, but also for dealing with the authorities and anyone else who would be reassured by the presence of a lawyer.

● **Publicity**—(Leaflets, posters, free advertising on radio or TV)—Decide on your public-contact address and phone number as early as possible. Appoint a press officer. His or her job will be: (1) to get press releases to the local media (radio, TV [including cable], newspapers, magazines, and bulletin boards [computer and stores]), and (3) be available at the event, to make sure reporters understand what's going on. Many people complain to me that the press quoted the wrong person at their pot rally, usually as saying something idiotic. Don't give them a chance. *The straightest, most skeptical stringer still tends to give you credence, if you're the press officer they've been dealing with all along.* Remember: A pot protest is a blank canvas. Be sure your message appears in the final picture.

A tip about free radio time: Find a way to get directly in touch with the deejays. Public service directors tend to be too conservative.

Send flyers and press releases to everyone you can think of at the radio stations (deejays, program directors, music directors, public service departments, news departments), publications (news editors, staff writers, lifestyle editors, everyone on the masthead if possible), and television stations (get the news departments and target specific programs you'd like to appear on—then deluge the show with information). Print up and mail out press releases periodically, announcing speakers, permit problems, or any other newsworthy items. Follow up the releases with phone calls whenever possible.

● **Flyer checklist:**

- ☐ Date and day of week
- ☐ Time
- ☐ Location, city (map if needed)
- ☐ Contact phone, address
- ☐ Rain date
- ☐ Bands

● **Permits**—Most places "require" permits for parades, sound systems, use of parks, etc. After receiving your permit application, the authorities will

usually try to set up a meeting with you. Bring along your lawyer, and representatives or co-sponsors. Emphasize that you want to put on a legitimate, peaceful demonstration. One of your negotiators should pose as a hard-liner, subtly warning the Man not to fuck with you. Give a high number of expected participants. Explain that posters are already out in a five-state area, and there's no way to cancel now.

● **Stage, speakers, music**—Your event needs a focus, a way to keep the assembled multitudes from getting bored and leaving. Keep your show moving. Speakers should be brief, unless they are really sharp and people dig them. Reporters should be tipped off as to when the main speakers, and the best quotes, will be appearing. The stage show can include theater, speeches, rock 'n' roll, reggae, or anything. Just keep the event focused and funny. An event where the crowd drifts away can get bad press, and do more harm than good. Keep a lookout for hecklers—disruptive forces can ruin a good protest.

● **Banners and props**—Large props can compel photo coverage in the local media. Giant papier-mâché joints are good. Muslin and cotton make fine banners. Use masking tape to block out the letters, then paint inside. Allow to dry, then peel off tape. Make up protest signs before the event and give them away.

● **Pot**—Roll up joints ahead of time. Throw a discreet rolling party a few nights before the event. The stash should then be split up, so it can't be found in one place. It's best to pass out lit joints one at a time. Distributors should have a couple of escorts for protection. To hold the crowd, save some smoke for the end of the event.

If there are any busts, they usually come down on the fringes of the crowd. *If chased, always run into, not away from, the center of the crowd.*

● **Help**—Call NORML (202) 483-5500; The Marijuana Action Committee (608) 257-5456; and HIGH TIMES (212) 972-8484. These organizations will help publicize your event, offer general advice, and possibly provide speakers or other resources. Tell whoever, or whatever, answers the phone that you're planning a pot protest. Don't forget: It helps to have NORML, a student government, an elected official, or other "respectable" person, or group, co-sponsor your event. ●

Masel

continued from page 40

For a Sucker." *The Washington Post* is definitely not going to mention the rally otherwise.

HT: What other work goes into organizing a protest?

BM: One of the trickiest parts is dealing with whoever considers themselves the managing authorities in the area where you've decided to have your protest, many of whom are unfamiliar with your First Amendment rights. You've got to educate them sometime between when you hold your rally and the day it comes off, which may or may not involve dragging them into the courts. It's always more fun to be at the giving end of a lawsuit than the receiving end.

HT: How does someone file a lawsuit like that? Do you have to hire a lawyer?

BM: Not necessarily. It can be done on one's own. It's not particularly difficult. The general principle is that you have the right to assembly and speech, and petitions of redress of grievances. You have the right to do so in any public place of your choosing. Obviously one would want to hold one's rally at the appropriate forum, which in our case is the State Capitol grounds. The State Capitol grounds exist so that the public has a place to assemble outside their capitol and tell the government what they think! I think any logic shows that they are the most appropriate place for the exercise of these rights, and any attempt to force you to hold it elsewhere would be an attempt to diminish the impact of your rally.

HT: What can people do for the marijuana movement apart from attending rallies?

BM: It's real important that heads, even if they can't find something to vote for, stay registered to vote, 'cause that's how they pick juries—through voter registration lists, in most areas. Every time I've looked to pick a jury, I say to myself, "these are my peers," and then I remember that most of my peers don't register. A jury can send a message—juries are allowed to decide to let someone go because they think the law's stupid. An attorney's not allowed to tell them of that right, under the judicial code of ethics. However, if you're defending yourself, you are not restricted. Sometimes citizens need to tell the government where to get off.

I think in most jurisdictions you're gonna win on a simple pot charge. Just tell the jury why you smoke pot, why you don't think it's dangerous, and that it's time to send a message.

continued on page 87

SELECTING A VARIETY TO GROW

Story and photographs

by Mel Frank

In 1976, Mel Frank and Ed Rosenthal collaborated on a feature length article, the "Spring Homegrower's Planting Guide," for HIGH TIMES. Although articles on pot growing techniques had been previously published in underground newspapers, their guide popularized the idea of growing pot to a massive readership, and became a watershed event in the home-growing movement. Over the years, Mel has continued researching the subject matter. His latest book, Marijuana Grower's Insider's Guide, is as definitive a work as you could ask for. In this excerpt—the first of many HIGH TIMES is proud to be publishing—Mr. Frank examines varieties of marijuana.



Cannabis has been cultivated for at least six millennia and is now cultivated around the world. *Cannabis* may be grown for hemp fiber, seeds and seed oil, marijuana, or medicines derived from the root, leaves, or flowers. It is the diversity of environments and the results of selective breeding for specific traits that has led to the numerous varieties of *Cannabis* we see today. We should be thankful for this variability. Every grower can hope to find desirable characteristics in a few populations or in certain individuals, and then breed them so that future generations express the desirable characteristics. With a little time and observation, every grower can develop his or her own variety suited to individual tastes and to the plant's local growing needs.

Although *Cannabis sativa* is the only botanically recognized species, for the purposes of growing marijuana it's helpful to talk of races or strains of marijuana, and to further divide the general groupings into specific strains or varieties. Four broad and overlapping subdivisions within the species are the *sativas*, *indicas*, *ruderalises*, and *hemp*s. Within these four subdivisions are innumerable variations. A practical outline follows, with the descriptions for plants growing outdoors under natural conditions (time of maturation is given for a midline across the U.S. at about 38 degrees north, roughly a line that runs from Washington, D.C. through Kansas City to San Francisco).

Marijuana Strains and Varieties

Sativas are from eight to 20 feet tall; yields are from 1/3 to five lbs. per plant in sinsemilla buds. *Sativas* may originate from anywhere, but almost all tropical marijuana varieties are *sativas*, and almost invariably all *hemp*s are *sativa*, whether they come from near the Arctic circle or from equatorial regions. Leaf blades are long and narrow and light green in color. Branching is symmetric to uneven, but usually internodes are long and branches are even and well-spaced. Female stigmas (the two "hairs" of a female flower) are most often pure white. Maturation usually is late in the season from mid-October through December for tropical varieties, but as early as the end of July for temperate *hemp* strains.

Indicas are shorter, usually between four and eight feet tall, and yield 1/4 to two lbs. of sinsemilla. *Indicas* mostly originate from central Asia, primarily from Afghanistan, Pakistan, Iran, and India. Leaves usually are a very dark blue-green, and may develop a purple tinge. Leaf blades are shorter and much wider than *sativas*. Branching is usually symmetric and thick with short

internodes. Flower stigmas are usually white, but may be red or purple; buds tend to be fuller and more compact than most *sativas*. Most often *indicas* mature early, from late August through October.

Ruderalis have narrow, sativa-like leaf blades: plants are short, from one to five feet tall and most of them are very sparse with relatively long internodes. (Botanical collections of *ruderalis* from the USSR characterize all *ruderalis* as having narrow blades. Many U.S. marijuana growers describe *ruderalis* as having wide *indica*-like leaf blades, and these might be hybrids.) Often *ruderalis* has only two or three sets of leaves before flowering and typical yields are only 1/4 to two ounces of sinsemilla. Originally from the USSR, *ruderalis* is very quick to mature and may ripen as early as the middle of July. Generally *ruderalis* begins flowering a few weeks after sprouting but it won't form decent buds, if ever, until the photoperiod drops to about 18 or 19 hours duration.

American hems are generally six to 12 feet tall with sativa-like leaves, coloration, and bud characteristics. These weeds are very hardy (in fact authorities have been unable to eradicate this "troublesome" weed), and mature early, from the end of July to early October.

Any experienced grower has seen considerable overlap among these characteristics. There are *indicas* that might yield five lbs. of buds, and there are *sativas* that have red stigmas. Much of the best stock growing in the U.S. is hybridized anyway, and you're likely to see any combination of the described characteristics.

Choosing Varieties to Grow

Marijuana from around the world responds to the same environmental influences, and the most important influence is the photoperiod, which determines when the plants will mature and if they'll mature before killing frosts arrive. For outdoor gardeners, this is the most important consideration, because if the plants don't mature in time, you're left with only leaf or immature buds to harvest. You're better off growing a less potent but good variety that completes maturation rather than a super-potent variety that won't mature in time. Indoors you need not worry about when the plants would naturally flower since you control the photoperiod and hence maturation.

For straightforward growing or for sophisticated breeding programs, three primary characteristics are most important to all marijuana growers: potency, time of maturation, and yield.

Some secondary characteristics to consider are fragrance and taste, hardness and resistance to disease, bud formation and ease of manicure, and the quality of the high (i.e., an energizing versus a debilitating high, to name two extremes).

Under natural light, time of maturation for the most part depends on the latitude from which the stock originated and the local photoperiod. In general, the farther from the equator a stock originated, the earlier it flowers and ripens. The actual time of maturation varies also with the local conditions to which the variety is accustomed. For instance, if the plants have acclimated at a high altitude, they may mature up to a month before their cousins at sea level, even though they are at the same latitude. This is why varieties from roughly the same area can differ significantly as to when they ripen. The best stocks for breeding for early maturation are South African, Afghani, Pakistani, American weedy hemp, Chinese, and *ruderalis* varieties.

The second consideration, which is potency, may come from any variety worldwide, since potency does not depend on origin, and any marijuana variety or stock may be exceptionally potent.

Yield from individual plants is not usually a major consideration when you are choosing a variety to grow unless you're growing outdoors. Indoors you can fill your garden with healthy plants and space limitations restrict yield more than varietal differences do. Even indoors though, you'll find that certain varieties outgrow and outproduce others. The yield under lights depends mostly on how tightly buds form along branches and how tightly the individual buds grow. This is one important reason why many growers prefer *indicas* to *sativas* (especially Southeast Asian *sativas*), because *indicas* tend to grow more compactly and their buds are thicker and heavier.

Once successful growing becomes routine, you'll want to experiment with breeding and developing your personal hybrid stock. Breeding for exceptional potency, unusual looking plants, or different tastes and highs is what gets experienced growers enthusiastic. Besides great smoke, it's fascinating fun, and *Cannabis* is one of the most responsive plants you can breed.

Marijuana Varieties

Colombian. Colombian is the tropical *sativa* standard for most pot and pot growers. Everyone is familiar with Colombian marijuana, and it is a consistent performer. Colombian grows a little slower, slightly shorter and more

compact than standard Mexican. In a perfect environment with room to grow, a Colombian may reach 16 feet tall and yield five pounds of buds after only a six-month growing season. Usually, Colombians are conical or classically Christmas-tree shaped, with the longest branches at the bottom of the plant. Colombians have the typical form of *sativa* leaves and branching profile. Some Colombians grow their longest branches at the middle or upper reaches of the plant and the branches grow more upward than outward. The matured females exhibit a robust oval or diamond shaped profile. When Colombian is good it can be very, very good. Above all, the growth and potency of Colombian plants is consistent, making it a good candidate for both experienced and inexperienced growers.

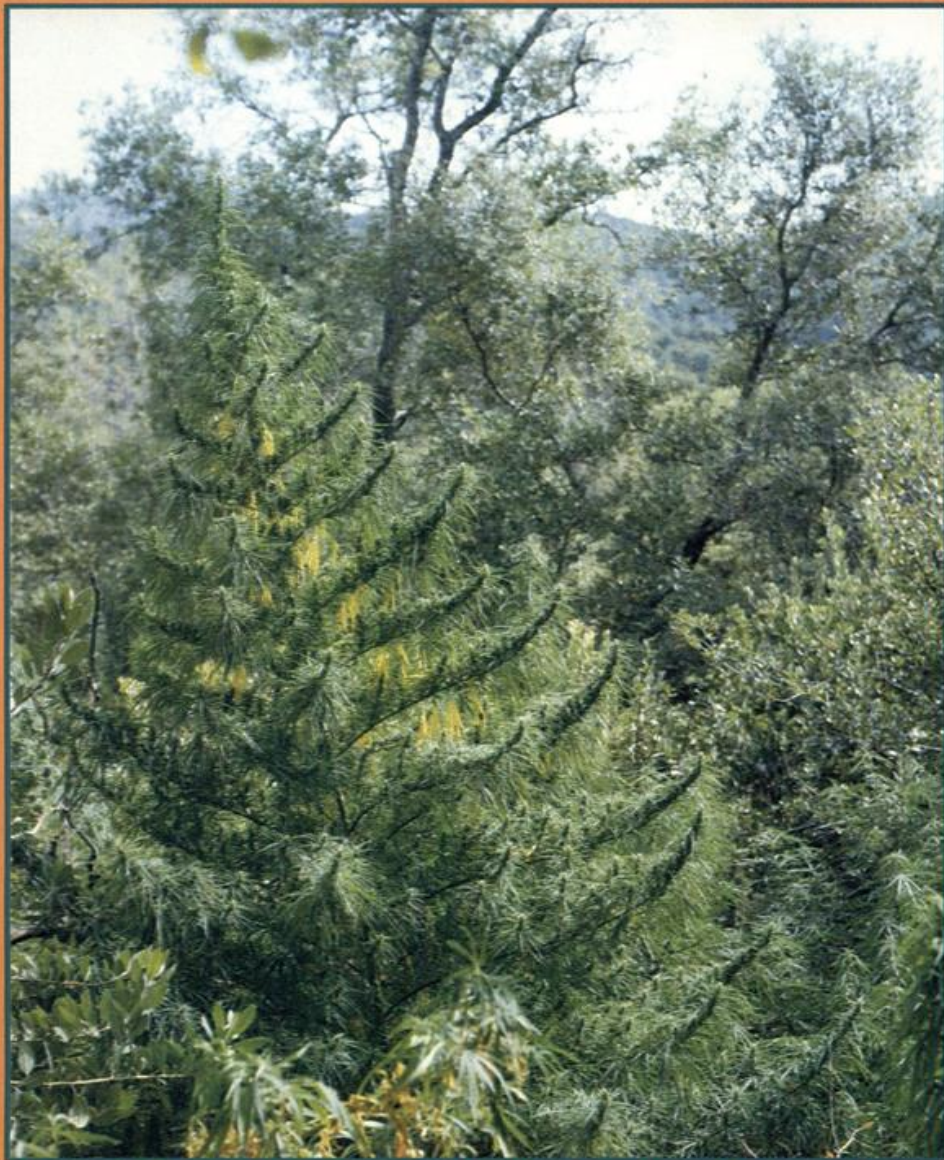
Colombian is one of those seed sources where the homegrown can turn out to be more potent than the original pot. Commercial Colombian pot growers practice some of the worst of curing and drying procedures, which degrade THC to less active CBN. Homegrowers might be pleasantly surprised to find that their homegrown is about 20 to 50 percent stronger than the original grass.

Mexican. Mexican can turn out to be the best selection that you've planted. Mexicans tend to grow fast and tall, and they thrive under less intense light than Colombian, Thai, and most African varieties; so they do well under artificial lights or in partially shaded greenhouses. If you have good Mexican, particularly a Mexican that you really want to experience again, then plant a sizable proportion of your garden with Mexican seeds.

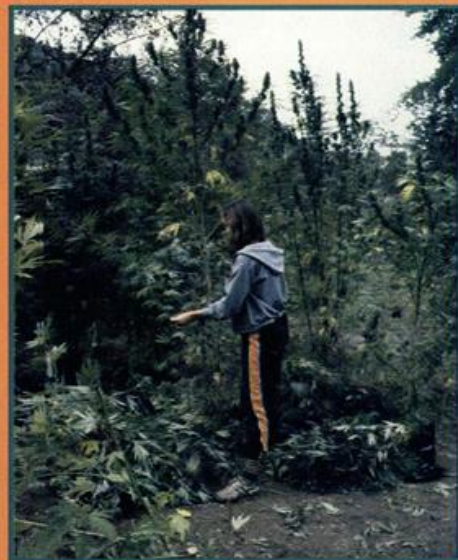
Mexicans are most often classically *sativa*, with symmetric, conical, Christmas-tree shapes, although because of continual importation, almost any variety is possible from Mexican seeds. Mexicans grow fast: the largest sinsemilla plant I've seen was a California-grown Mexican which was 22 feet tall and yielded more than seven lbs. of sinsemilla.

The appearance and growth habit of Mexican and some Nepalese is very similar; many Mexicans look as if they originated from Nepalese stock. Buds tend to be well-formed, but sometimes "feathery", and usually they're deliciously sweet or sometimes spicy. The high is cerebral, spacey, and energizing, but not especially long-lasting. One Mexican variety grown often in California has a distinctive metallic taste, and is called "Ironweed."

Southeast Asian. Thai, Laotian, and Cambodian varieties, although enticing, should be avoided or planted experimentally, especially indoors. Raise only a few Southeast Asians, because about half the time, these

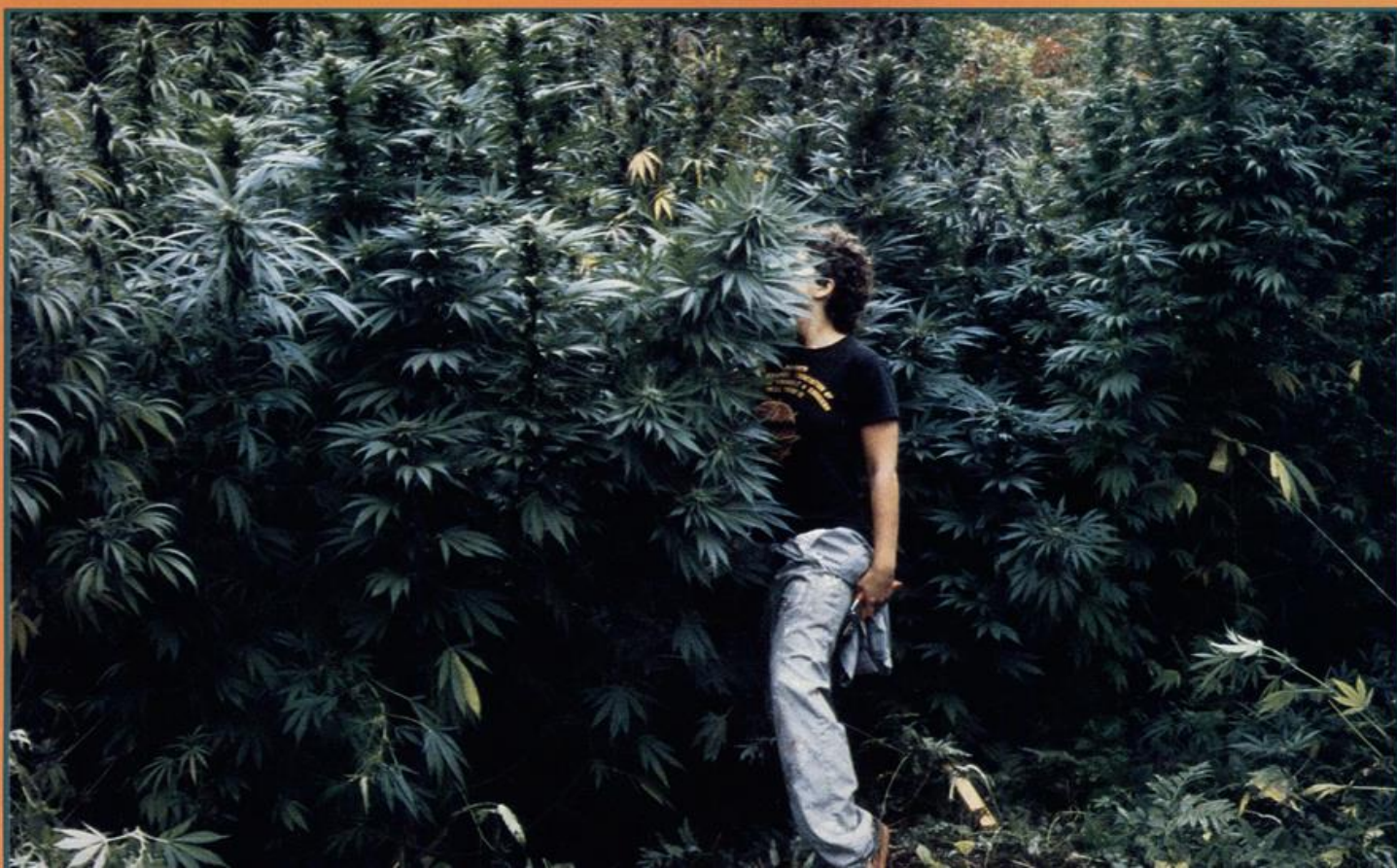


Original Durban Poison seedlings had wide leaf blades like Afghani, but leaves were larger, and spaces between branches longer.



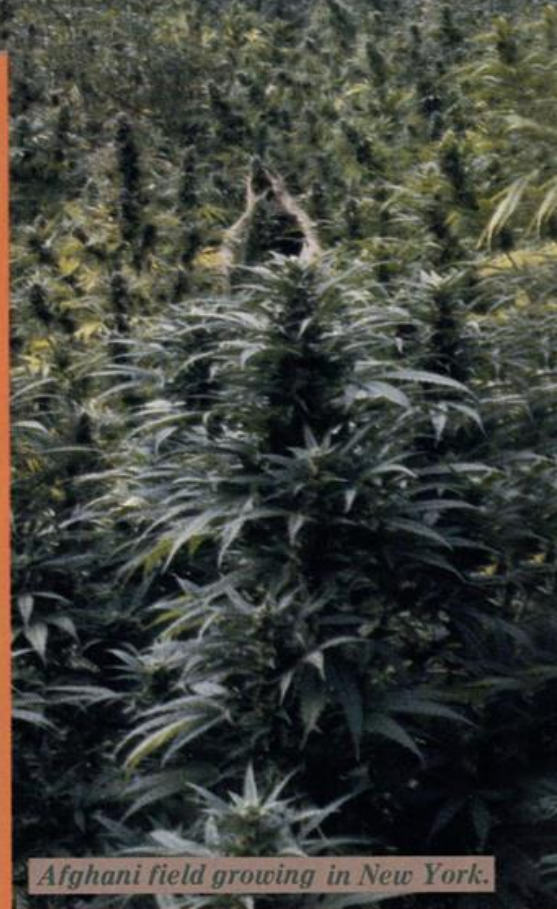
Harvesting sativa plants.

(Above and below): Hybrids may be hardier than either of the parents.





Stigmas (fuzzy "hairs") of female flowers are usually white, but may be red or purple.



Afghani field growing in New York.

plants become hermaphroditic, causing serious and exasperating problems when they continuously give rise to male flowers that randomly pollinate your sinsemilla. Some varieties also tend to grow erratically, by sprouting fast-growing shoots that outgrow everything else in the garden, or by growing with long internodes so that you begin to think you're growing stems rather than pot. Southeast Asian buds often "run", but some varieties do form compact, solid buds.

Thai weed may be the best pot you've experienced, so if you have seeds that you want to grow, plant only a few. Then



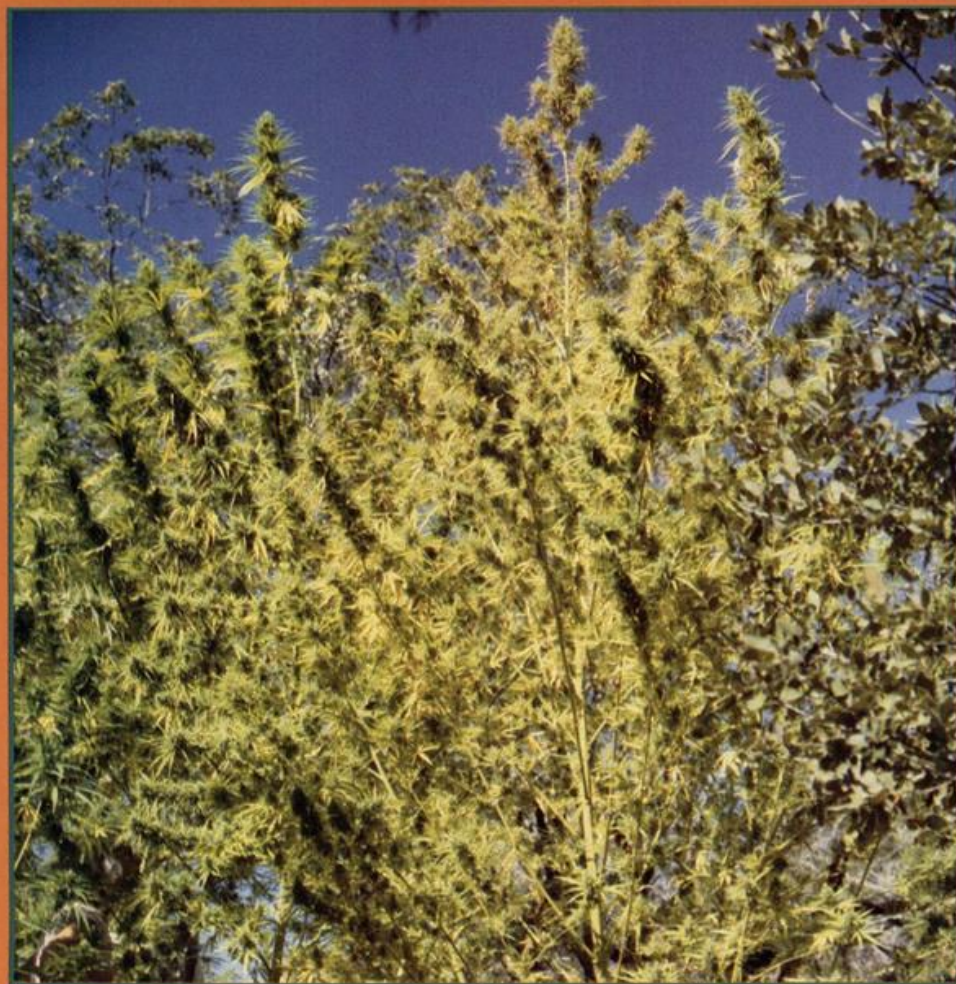
if hermaphroditic problems ultimately develop, at least they are merely an experiment rather than an investment. The high from Southeast Asian plants is an excellent, uplifting high, and the buds have a sweet or a tangy, very spicy taste.

Jamaican. Jamaican is between Colombian and Mexican in terms of growth habit, high and tastes. Upright, classically *sativa*, most Jamaican is slightly faster-growing than Colombian and a little behind Mexican. Jamaican reaches about 14 feet tall under optimum conditions, and generally is better-branched than Mexican.

Jamaican is a good candidate for indoor growers if they like the original pot. Like Colombian, Jamaican can turn out stronger in potency than the original grass, because of the poor curing/drying procedures used by Jamaican growers.

Indian. Varieties from India are among the most diverse you are likely to see. India is between Pakistan and the Southeast Asian marijuana growing countries, and you can see the influence of their strains. India is an enormous country that includes Eastern and Western influences, and the country spans tropical to temperate geographical areas.

The "typical Indian" is *sativa*-like, and not as large as typical Mexican and Colombian. Most commercial Indian is considered good, standard, *sativa* pot. Rare varieties are very small (three feet tall) up to the more common varieties of about 12 feet. Varieties may have *sativa*-like leaves, monophyllus leaves (only one to three blades per leaf), or typical Afghani leaves, all of which represent the diversity among Indian varieties. Maturation ranges from as early as the earliest Afghani, to as late as Southeast Asian. Potency is like-wise as variable. One of the sweetest, most delicious to smoke varieties comes from

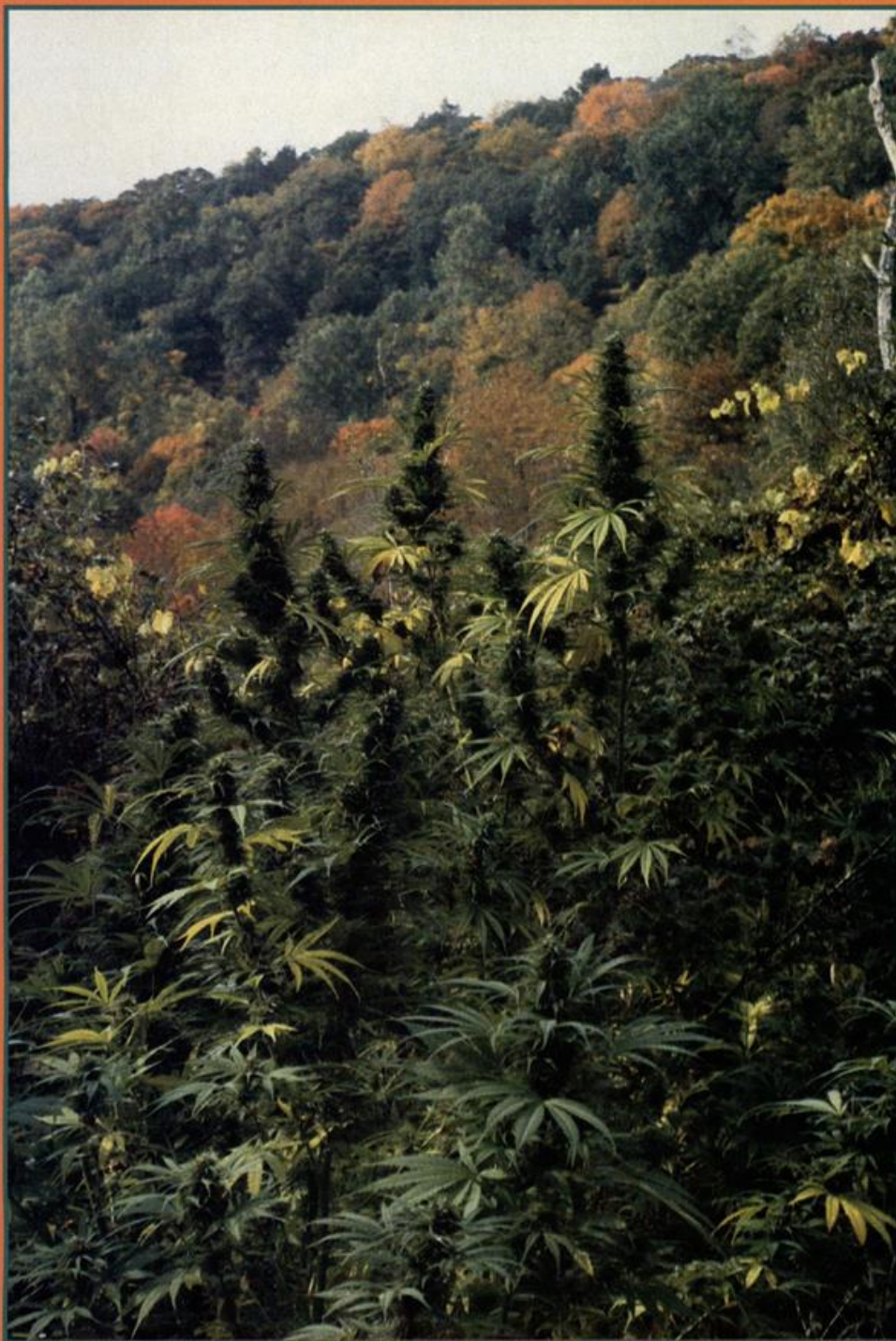


Above: Afghani (foreground) and taller hybrids. Left and opposite page: Sativas are taller than indicas with more spacing between the branches.

a southern Indian that reaches 14 feet tall, and has very graceful sativa looks with loose airy buds, and long, arching branches.

Central African. Nigerian, Congolese, and Kenyan may be the largest plants with the largest leaves you'll ever see. These plants potentially grow to more than 20 feet tall, and one Nigerian grown in full sunlight had leaves 18 inches long. Nigerian plants are among the most potent and debilitating of all marijuana (after two tokes, experienced growers had enough and shortly went to sleep). Although Nigerian buds are not very tight, they don't run like Southeast Asians. Buds are extremely resinous, with an unusual rich, earthy, organic taste and fragrance unlike any other variety. Nigerians mature very late, and often don't ripen until late November or even late December in San Francisco.

Congolese and Kenyan are also very large but appear more like Colombian than Nigerian with similar taste and fragrances. Congolese and Kenyan mature earlier than Nigerian and ripen in November.



Afghani. Afghan and Kush plants (*indicas*) grow smaller and thicker than *sativas*. Afghan leaves often are a very dark green, almost blue-green color, with wide blades that sometimes overlap each other. Usual height is between four and eight feet. Generally buds are compact and dense, and stigmas sometimes are pink, purple, or deep red. Full maturation ranges from the end of August through October. Afghan and Kush (from the Hindu Kush mountains in central Afghanistan to the Pakistan border) often are interchangeable, and growers interchange the names enough so that either description may apply. Kush generally are slightly taller than Afghan and the leaves are between Afghan and *sativas* in both broadness of blades and

in color. Potency can be mediocre to very strong, and the high of the stronger plants is often debilitating, stupefying, or "knock-out". Both Afghan and Kush have a range of tastes and fragrances, but the term "Skunk-weed" came from the common, strong, skunk-like fragrance of many of these varieties. Fragrances may also be spicy or wonderfully sweet.

Pakistani. Pakistani shows the influence of both Afghan and Indian. Varieties most often are like standard Afghan or Kush. One unusual variety had the narrowest *sativa*-like, long and delicate leaf blades that I've ever seen. These plants reached only seven feet tall, but with very long, graceful and profuse branching. Large but lightweight buds formed in such

profusion that a continuous line of buds obscured the branches. Branches actually hung down from the weight of the buds, so the plants looked like dense "fountains" of buds. Flowers were pure white with unusually long stigmas. Potency was considered only good, but taste was exceptionally sweet. This variety matured by the end of September.

Chinese. I've only experienced one variety from the People's Republic of China. Leaves resembled Afghan although they were a lighter green. Plants were very fast to mature and often reached only three or four feet tall when ripened by the end of August. Branching patterns were erratic, with branches of differing lengths appearing from the top to the bottom of the plant. Potency was average but good enough so that, with its early maturing habit, this stock was an excellent candidate for hybridizing. This Chinese variety (Chinese 1) had some unusual characteristics, including enormous seeds, mixed red with white stigmas, rounded and very full buds, and the unusual occurrence of buds developing along leaf stalks.

Hemp varieties from China are purportedly medium to extremely tall, and *sativa*-like in appearance. Maturation may be very early to late, since China is a vast country that covers many degrees of latitude.

Marijuana Varieties (mixed)

Nepalese often is similar to classical Mexican although there are short varieties, four or five feet tall, with either broad Afghan leaves or *sativa*-like leaves. Nepalese, along with South African, often has the cannabinoid THCv along with THC. You feel the effects of THCv almost immediately, so that with one hit you might feel high. THCv doesn't last as long as THC, but the effect is cerebral and uplifting. Nepalese may taste very sweet, and it can form good but not the tightest of buds. Most plants ripened in October.

South African (called Durban Poison by some) is the most inconsistent, or, more accurately, has the most strikingly different varieties of all marijuana originating from a single country. South Africa is at the crossroads of major trading routes and shipping lanes. Within South Africa are a number of traditional pot-smoking cultures, so it's no surprise that marijuana varieties from this country are so diverse in potency, growth habit, appearance, taste, fragrance, and earliness of flowering. If you come across what is called South African or Durban Poison in the U.S., quite probably it originated

continued on page 68





Happy New Year!

PHOTO BY ANDRE GROSSMANN



ASK

BY ED ROSENTHAL

DOWN WITH THAI?

Dear Ed,

I have been growing for a couple of years now and after several crops containing Thai plants I have decided not to grow them anymore. They flowered weeks after the other plants, matured more slowly, and ended up slowing up my

harvest. Why, genetically, do Thais take so long to mature? Can I speed up the process?

—*Sick of the Stick*
Dayton, Ohio

These plants are adapted to an environment where they can grow all year round. They do not have to rush seed

maturation, the way *indicas* do. By taking their time and releasing seed over a long period of time, they are giving seeds more of a chance of success.

There is nothing you can do to speed up the process. Thai plants are not as responsive to light regimens as non-equatorial plants.



GARDEN OF THE MONTH

Eight female Hawaiians. They flowered for 14 weeks.
—Cleveland, Ohio

ED

PARANOID?

Dear Ed,

I am wondering if 25 plants can be detected if they are underground with 3' dirt cover over a concrete roof and walls, using grow lights?

—High Times Avid Reader
Bell, California

Only with the help of snitch.

TOO HOT

Dear Ed,

My room is 5' x 5' and 7' high. I have a 1000-watt MH lamp. Would you say that this is too much light for the room?

The temperature reaches 100 degrees with the door open and 110 degrees with it closed. Is it too hot?

Thanks,
—Doug
Oswego, NY

It is not too much light, but it is too hot. The temperature should be maintained in the seventies.

continued on page 57

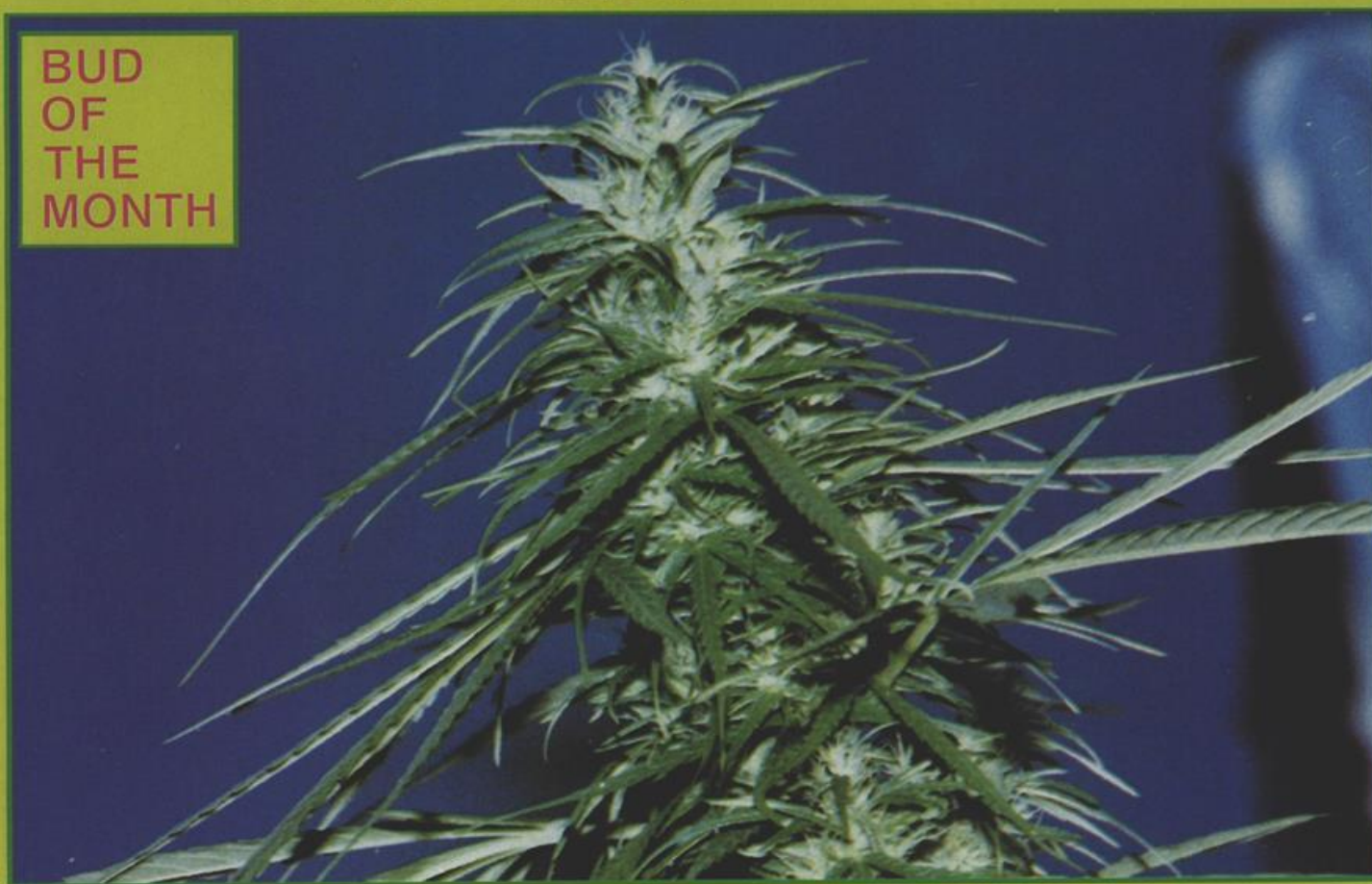
PLANT OF THE MONTH

Indica-sativa hybrid, induced to flower two months after germination and harvested 45 days later. This photo was taken 10 days before harvest. It was grown under a 400 watt HPS with two sisters in a 3' x 3' closet.

—The Farmer in the Cove
Woodbury, Georgia



BUD OF THE MONTH



She is a 3-month-old Thai plant, painstaking carried in and outdoors in a 5-gallon bucket.

—The Lizard
Jackson, New Jersey

PLANT VACCINES

by Ed Rosenthal



Seedling with cotyledons (rounded leaves) and first set of true leaves (above them). Research indicates that mechanical damage of the cotyledons may increase resistance to diseases and pests.

Smallpox has been a scourge of humankind since the dawn of history. It is caused by a virulent virus which is transferred by infected people and contaminated articles. The movement to end smallpox got a boost in 1796, when Edward Jenner, an English physician, scratched the skin of a little girl with a needle infected with cowpox, a much less virulent virus. The little girl came down with a mild case of cowpox but was immunized against the more serious disease. The age of vaccination had begun.

In 1984 the disease was eliminated from Planet Earth, when the last victim of smallpox recovered. (The project was coordinated by the United Nations World Health Organization. When somebody tells you the UN has never done anything for humanity, you can set them straight).

Vaccination against specific diseases has become standard medical and veterinary practice in animals. But very little work has been done regarding plant immunization. The mechanism in animals is fairly well understood. In order to be immunized, the individual must be exposed to an agent. Then it designs specific structures which recognize the pathogens. The receptor sites on the outside of various cells and structures (antibodies, macrophages and other structures such as helper T cells) in the blood match the various infectious agents' specific chemistry, sort of like a lock and key. Once the alien material is locked into the structure, then it proceeds to eat or destroy the invader.

Researchers have not found a similar mechanism in plants, so there have been few attempts at immunizing them. However, for the past 40 years researchers have reported that plants do undergo a immunization process. Plant immunity does not seem to be specific the way animals' immunity is.

Researchers have found that:

A restricted fungi or wilt infection lowered the damage from later attacks.¹

Plants infected with a mild strain of fungi were protected from attacks by a more damaging strain.²

Spider mites did better on plants whose cotyledons had not been attacked (the controls) by spider mites than on plants which had.³ Cotyledons are the first leaves to emerge on a seedling. Marijuana and other dicot plants have two.

Mechanical damage to the cotyledons increased resistance to spider mites.⁴

In the February 6, 1987 issue of the magazine 'Science', researchers R. Karban, R. Adamchak and W. Schnathorst

discuss a series of experiments that they performed.⁵

First they took a cotton variety which was resistant to a particular strain of vascular wilt. After the cotyledons had expanded, each plant was infested with eight female spider mites. Each plant was covered to isolate it. After 14 days, the plants, both controls and experimental, were treated with kelthane (which contains DDT, so do not use it) to kill the mites. Fourteen days after that the plants were injected with the vascular wilt.

The first time the experiment was tried 80 plants were used, 40 controls, and 40 infected plants. Eleven of the controls and five of the infected plants developed wilt. The experiment was repeated three times. The second time there were 22 controls and 25 plants were infected with mites. Seventeen of the controls and 11 of the exposed plants developed wilt. The third time the experiment was repeated, there were 16 controls and 15 experimental plants. All of the controls and eight of the exposed plants developed wilt. The fourth time there were 22 controls and eight experimental plants. Thirteen of the controls and three of the experimental plants developed wilt.

In all there were a total of 100 controls and 88 infected plants. Fifty-seven of the controls and 27 of the experimental plants developed wilt. This comes to 57% and 31%, respectively. The experimental plants were 46% less likely to develop wilt than the controls. The researchers also found that, "a smaller percentage of leaf tissue developed chlorosis or necrosis ... on plants that had been exposed to mites." In another experiment, Karban found that the immunity was systemic, that is it functioned throughout the plant, even on plant parts that grew subsequent to the eradication of the mite infection. It lasted for at least 60 days.⁶

A second experiment was tried. First the wilt resistant plants were inoculated with the wilt. Seven days later, three female mites were placed on each plant. The plants infected with the wilt were smaller and had less leaf surface area,⁷ but they also supported much smaller populations of mites than the controls. The experiment was performed twice. Fourteen days later the mites were counted on each plant. The controls averaged about 525 mites and the exposed plants about 95 mites per plant. The experimental plants were about 275 and about 30 mites per plant, respectively.

Since the plants were still infected with the wilt when mites were added, the re-

searchers cannot be sure what caused the resistance to the mites, the plant itself or the wilt.

The researchers note that the immunity is not organism specific, but seems to have "deleterious effects on a wide variety of organisms that subsequently challenge the plant." They propose several possibilities that promote resistance. The first is that the most desirable nutrients are depleted by the first organisms to attack the plant. A second possibility is that the plant may produce chemicals that affect a variety of predators and infectious agents. They note that tannins and iso-flavonoids (including pyrethrum) are part of plants' chemical arsenal against predators.

What does all this mean to the plant grower? There are several simple ways of applying this information. One way to increase plants' resistance to mites, insects and fungi might be to stimulate resistance to predators artificially. As noted earlier, Karban reported previously that limited human inflicted physical damage increased plants resistance to mites.⁴ Perhaps wounding the cotyledons with a razor or very sharp knife by making one or two shallow cuts on each cotyledon or a few pinpricks will increase the plants' resistance to pests and disease. Before performing surgery and each time a scalpel moves to a new plant, the instrument should be sterilized using rubbing alcohol, and then dried.

This method of plant immunization will not prevent pests, but it may slow them down and help the plant resist them.

This information also may explain part of the complex set of relationships that keep things in balance in natural ecosystems. In nature, plants are continually attacked by predators, but an equilibrium is reached, which allows the plant to survive and reproduce. Plants which continually experience low grade attacks are likely to keep their immunological responses, (probably a chemical bullet or arsenal) working full blast.

This works in favor of growers who use biological controls such as mite predators or trichogramma wasps (for whiteflies). The plants are continually being attacked on a controlled basis by herbivores which are in turn attacked by predators. The predators help to keep the herbivore population down, but the plants' induced resistance also helps to keep the population in check. Researchers do not know exactly how the mite populations are reduced by immunized plants. Does the plant produce chemicals which delay maturation, lower reproductive abilities, or mess with the pests' metabolism? In any case a low grade infection, kept to minimum levels using biological agents, may very well immunize plants against more serious infections, including unrelated species of pests. ●

1 H. Suzuki, in 'How Plants Defend Themselves', vol 5 of "Plant Disease: An Advanced Treatise", J.G. Horsfall and E.B. Cowling, Eds. (Academic Press, New York, 1980), pp. 319-332.

2—, *Pytopathology*, 56, 1204 (1966)

3 R. Karban and J.R. Carey, *Science*, 225, 53 (1984)

4 R. Karban, *Entomological Experimental Applications*, 37, 137 (1985)

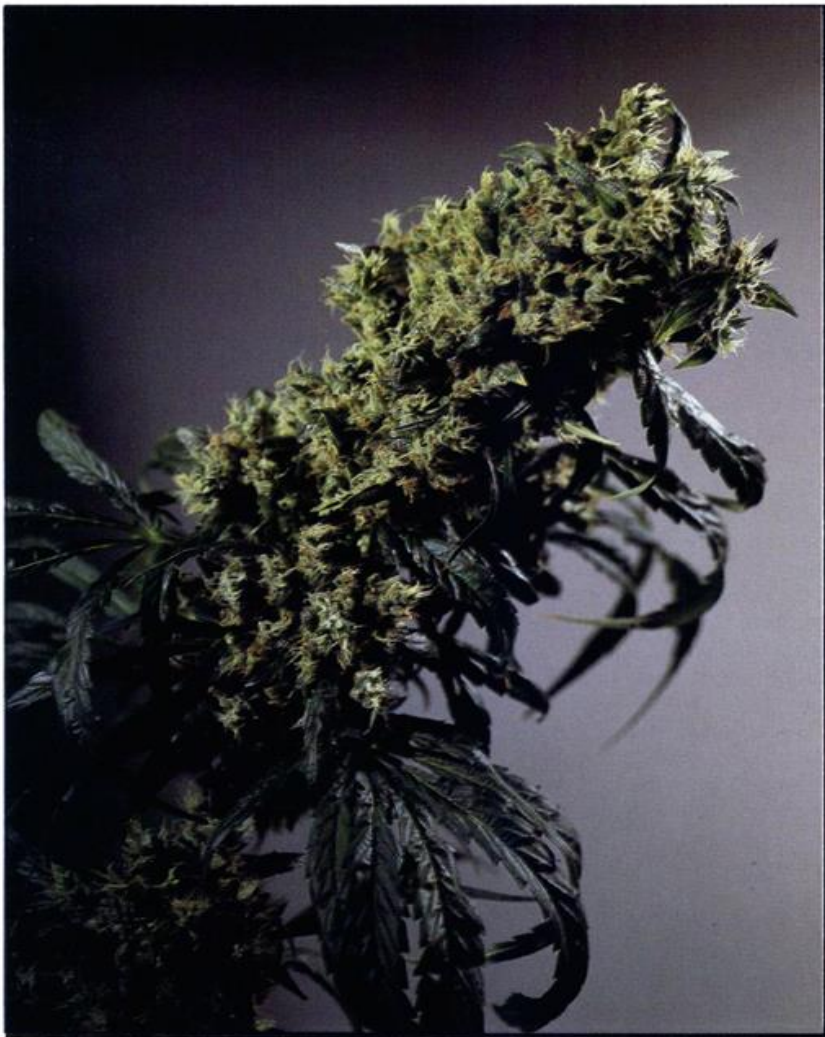
5 R. Karban, R. Adamchak, W. Schnathorst, *Science* 235, 680 (1987)

6 R. Karban and J.R. Carey, *Science*, 225, 53 (1984)

7 Mean above-ground height in centimeters for controls was 16.75, for fungi plants 12.48. Growth above cotyledons for controls 7.70, for plants with fungus 4.53. Internode length controls 1.76 fungi plants 1.45.

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ASK ED

continued from page 53

SPACING

Dear Ed,

My grow-room measures 4' x 3' x 7' high. It's all set up and ready to go, including oscillation fan, exhaust fan, light, etc. The top 2/3 is the flower room and the bottom third is my clone room. My hydro unit is home-made. It consists of six 5" plastic gutters placed 1" apart. They are 4' long. I have 4' x 3' x 3' rockwool grow slabs in these gutters with drip emitters for fifty plants. How many plants should I put in each gutter?

—The Boys from I Phelta Tai
Galesburg, Illinois

The space has 12 square feet. At four plants per square foot, the unit could hold 24 plants or four per gutter.

THE LOW-PRICED SPREAD

Dear Ed,

I built a 4' x 4' x 4' wooden box, lined it with aluminum foil and used two 2-tube 4' shoplights. I used sterile mill grade sphagnum moss. The lights were kept on 24 hours a day until the plants reached 3 1/2 and then the light cycle was changed to 12-12. The plants were ready to pick 115 days after germination.

The moss is a great medium and a fantastic buffer. The roots literally filled the pot. Some roots came off the stems and into the soil. After I hacked them, I couldn't separate the roots from the moss, they were so thick.

This was my first time growing and I grew four plants in a relatively short time without CO₂, special lights, fans, pumps, bat guano or any other "necessities" other growers use.

—Captain Goomie
Phillipsburg, New Jersey

FERTILIZER AND FLAVOR

Dear Ed,

I tried an experiment. I took some plants, fertilized them and then harvested them. I took another group and watered them without fertilizer for ten days before harvesting. The plants that had just been fertilized did not burn right and were bad tasting. The unfertilized plants burned evenly with a pleasant taste.

Somewhere in the universe,
—Dr. Tea
Kent, Ohio

Thanks for the results, Dr. Tea. If this experiment could be replicated, it would show that a particular fertilizer is not conducive to a good-tasting yield.

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ASK ED

PANAMA RED

Dear Ed,

Recently, a reader inquired about the geographical origins of Panama Red.

In Panama the mountains are so low that it doesn't make a difference; the humid jungle is everywhere. Some of the red stuff is grown on an island in the Perles group, off the Pacific side, by the National Guard, who feign eradication by burning half the island every six months.

Panama Red is seedy and grows well without any special cultivation techniques. You can buy it in rolled joints or by the pound from taxi drivers on "K" Street in Panama City.

When I was there several years ago, there was another flavor too, Franklin's Green, which was self-picked at Franklin's Garden. It was a stupefying narcotic, too strong to have fun on.

—*The Panama Kid*

Manti, Utah

WHICH SKUNK?

Dear Ed,

Both of the seed catalogs have Skunk #1. I was wondering is the #1 from each catalog the same?

—*Helicopter Landing Pad Head*

Delano, Tennessee

Skunk #1 was originated by Sacred Seeds and distributed to the seed companies. Since that time they have done their own seed manufacture and have separate populations of the variety. Subtle differences are occurring in the populations.

GOING INDOORS

Dear Ed,

I am an experienced outdoor grower and I would like to start an indoor garden.

My grow room measures 20' x 9' with a barnlike arched roof 13' high in the center and 10' at the sides.

How should I proceed regarding lights, CO₂ and system?

—*O.M.*

Sneedville, New Jersey

The room should be divided into two sections, the vegetative-clone section, comprising about ¼ of the space, and the flowering room, which takes up the other ¾.

The mother plants and the clones both are held in the vegetative section. The mothers are kept small and continually trimmed of branches, sort of like a hedge.

The clones are placed in the flowering room when they are about 10" high. Plants are kept close together, 1-4 plants per foot.

There is no need to use any lamps but HPS, which are the most efficient source of complete spectrum light

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available. The 5' x 9' room, 45 square feet, can be lit by one 400-watt lamp. The mother plants are placed in the center, the brightest area, and the clones are put around the edges.

The flowering room, measuring 15' x 9', 135 square feet, should be lit by one 1000-watt light for each 50-100 square feet, although some growers use even closer spacing. Two lights would provide coverage at the rate of one light per 67.5 feet. The lights should be placed on movers.

CO₂ should be used. If the space is cold, a CO₂ generator-heater might be appropriate, otherwise a CO₂ tank and regulator should be used to maintain high CO₂ levels. This increases plant growth for very little money.

As far as a system is concerned, my feeling is KISS—Keep It Simple, Stupid! All kinds of systems work well, from the simplest, organic materials in a pot, to the most advanced NFT systems. The problem with sophisticated systems which require the frequent movement of water is that when they break down, which they often do, the plants can get messed up very easily. Simple methods such as drip watering systems can be constructed with relatively little effort and are easy to operate, maintain and fix. Passive systems are even easier, because they require no water movement.

Good luck!

WANTS MORE WEIGHT

Dear Ed,

I grow in a 3' x 4' space that now has a 400-watt horizontal HPS. I would like the most buds and weight I can get. Would you suggest adding a 150-watt HPS?

—Bone

Inverness, Florida

You are already providing your plants with a very bright environment. Before adding more light make sure that they are getting adequate CO₂, that the humidity is kept down to 50% and that the room is cool enough. If those conditions are met, the light can be installed. However, its effects will probably be marginal.

MERCURY VAPOR

Dear Ed,

Do mercury vapor lamps emit good spectrums for growing?

—The Gopher

Susquehanna, PA

No. Mercury vapor lamps emit very little blue or red spectrum light, which is the light a plant uses most efficiently. Some mercury ballasts can be retrofitted with metal halide (MH) or high pressure sodium (HPS) conversion bulbs.

BEGINNER'S ADVICE—TRY A SPLIT-LEVEL

Dear Ed,

I want to start growing. My closet is 8' in height, 2 1/2' wide and 4' long. What kind of set-up should I get?

—Tystix

West Allen, Wisconsin

You would probably do best by dividing the space into two areas, one 3' and one 5' high. The shorter space could be lit by a 150-watt high pressure sodium lamp (HPS) or four 4' cool white fluorescents. The taller space could be lit by a 400-watt HPS. The shorter space is used for germinating seed during the first generation and growing clones after that. It is lit continuously. The taller space will be used solely for flowering the plants and is on 12 hours a day.

The simplest, most inexpensive method for a beginning grower is to use a passive watering system such as described in "No Sweat Hydroponics" in the June '88 issue of HIGH TIMES.

GROWING FLOWERS

Dear Ed,

I have plenty of seeds. If I germinate them 12/12 using fluorescents, what sort of size and yield and flowering time would I get?

—Anonymous

USA

The plants will start indicating within about 2 weeks. The flowers will be very small for most *indicas* and *indica* hybrids. *Sativas* may grow up to several feet.

STRESSING MALES?

Dear Ed,

For the past two years I have started two plants each year. So far I have wound up with four males. I've heard that stressing plants causes a sex-reversal. Can you give me any suggestions on how to do it using the photoperiod?

Sincerely,

—Doctor tired of smoking males
Portland, OR

Males do not reverse sex when stressed, females do. Since plants have a marginal survival rate under stressful conditions, creating pollen increases the chances of survival in three ways. First, the plant may fertilize itself, so that more of the original plant's genetic material is preserved. Secondly, the plant may fertilize other plants in its population. This gives the plant the advantage of both dropping seed and competing to fertilize other females. Most importantly, the pollen can fertilize a plant outside of the threatened population, transferring the genes to a new population.

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SEE ED ROSENTHAL'S ARTICLE

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(A public service message from
the editors of **High Times** magazine)

LETTERS

continued from page 13

COKE CONTROVERSY

In the June issue of **HIGH TIMES** Jon Gettman, National Director of NORML, wrote that "legalizing cocaine is not the answer... and NORML is not in favor of legalizing cocaine and heroin." That may be true, but NORML is not opposed to their legalization either. In fact, NORML has never taken a position on the issue. Recent polls of the membership (I have been a member since '79) have not inquired into the members' preference on cocaine or heroin legalization, nor did Jon consult the national convention on this issue. Mr. Gettman is entitled to his opinion, but he should not represent it as NORML's policy when it isn't. I continue to support Jon's otherwise good work. Thank you for printing his column.

—Michael Geison
Chairperson, Gainesville Legalization
Organization/NORML
Gainesville, FL

I support Jon Gettman's position to disassociate from cocaine. Perhaps all recreational drugs should be decriminalized someday, but public opinion can only tolerate legalizing pot now. Until public opinion changes, the politicians will not change the laws and legalizing pot is a difficult task by itself.

—Bilbo Baggins
Sacramento, CA

What is happening with NORML? In your September issue I read that membership had fallen off and funds are scarce. Before that, I had just the opposite belief! Since everyone is growing indoors and making lots of money I would think that NORML would be receiving lots of support. Come on, people! Even \$5 is a worthy contribution! And while you're at it, write your representatives in Congress. Urge them to support marijuana decriminalization! JUST DO IT!

—Sea of Green Grower
Cleveland, OH

POT IS FUN

My monthly high with your magazine is something that I always look forward to. Latimer's column is usually fun to read while stoned. That's what the world needs—more magazines that are fun to look at while stoned. Please keep providing this valuable service.

—The Stone Ranger
Indianapolis, IN

continued on page 72

ASK ED

continued from page 14

THE VINEGAR SOLUTION

Dear Ed,

No Name, No City's letter (Oct. '88 **HIGH TIMES**) about vinegar and baking soda to produce CO₂ was a brilliant idea. Mixing vinegar (dilute acetic acid) with a slurry of baking soda (sodium bicarbonate) is a fantastic low technology way to produce CO₂ on demand.

There are several advantages to this technique.

(1) Waste products are simply disposed of down the toilet without hurting the environment.

(2) There is no burning of hydrocarbons such as gas or oil, which produce pollution.

(3) No heat is produced, so less has to be removed from the grow-room.

(4) This technique is more convenient than lugging big, heavy CO₂ cylinders.

(5) Purchasing baking soda and vinegar at your local supermarket and transporting these items in grocery bags garners a lot less attention than the tanks.

(6) You don't have to purchase an expensive gas regulator-metering device.

Producing CO₂ by fermenting sugar is interesting, but a molecule of CO₂ from fermentation costs more than the vinegar/baking soda method and fermentation requires more maintenance.

My grow closet is 2' x 3' x 3'. I use a 150-watt HPS for all stages of growth. I feel it is necessary to supplement the closed environment with CO₂ to enhance the growth rate. The space has virtually no ventilation.

I put 1/3 of a cup of baking soda in a 2.25 quart pitcher, cover with a minimum amount of water to make a slurry of baking soda. I built a little platform on the pitcher mouth which holds an 8-ounce cup of vinegar. The cup has a strip of tissue placed in the inside bottom which extends over the top and below the bottom, so that it acts as a siphon. It takes several hours to drain the cup, one drop every 15-30 seconds, into a pitcher. I add more vinegar to the cup as needed. When the pitcher is nearly full, I simply pour the contents down the toilet and refill the cup and pitcher.

—The High Chemical Engineer
Houston, Texas

LIMITED HEIGHTS

Dear Ed,

I have a closet 2'4" high, 2'5" deep and 3'6" wide. How can I grow in here?

—Hoping to Grow
Des Moines, Iowa

The space is about 8 1/2' square. A 150 watt HPS might do, but make sure to mount it horizontally so that it does

continued on page 71



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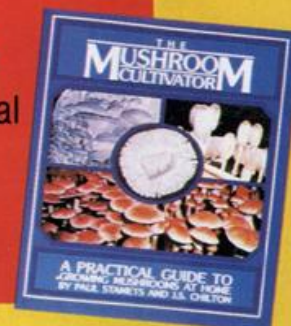
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by Carlo McCormick



The Kalachakra (Wheel of Time) Sand Mandala: Detail from the east gate.

Art, as most of us know it, has something to do with expressing one's subjective inner reality. The truly high art, however, is something more. The Kalachakra, or "Wheel of Time" sand mandala, may well be the most perfect, wise and meaningful work of art that any of us will ever know. Made by senior Tibetan monks (one, Lobsang Samten, a personal attendant to the Dalai Lama), the Kalachakra is about an inner truth that is transcendent—a great, ancient wisdom that not only penetrates into the depths of being, but extends far out to the furthest limits of consciousness, as well. It is an entire cosmology, brilliantly constructed cosmology in which the internal and external spheres are balanced and interdependent—separate, yet

HIGH ART



The Kalachakra (Wheel of Time) Sand Mandala: Detail of a mythical animal with the head of a garuda and the body of a lion. Actual size, approximately 2-1/2".

one. The making of the mandala goes back centuries, to the Buddha himself, who taught it to his monks. The monks, in turn, continued teaching it as the iconographic representation of one of Buddha's most essential texts, as part of a ritual ceremony of tantric initiation, handing it down as an artistic tradition, from generation to generation, uninterrupted through time. This past summer, at the Museum of Natural History in New York, some 50,000 plus viewers witnessed the first-ever public presentation of this ancient, secret practice. The event was as magnificent and as pain-staking as the mandala itself. For more than six weeks, three monks labored intensively over the six-foot-in-diameter mandala, creating it one grain of sand at a time. Then, in a wonderfully modest and non-materialistic gesture, the Kalachakra was swept up, carried over and dumped into the Hudson River—revealing to those of us who could not read it in the mandala, that all things in life are interconnected and temporal. As we have benefited from it, so then shall the fish and all that which belongs

to the element of water. In just such a spirit of global ecological awareness, some of the swept-up sand was given to the sloop *Clearwater*, a sailing vessel dedicated to the preservation of our waters. The Kalachakra is a representation of peace and harmony, a resplendently colored and intricate visual aid to meditation. It is the palace of the Kalachakra deity, a home for his wisdom, of some 722 resident deities, and of the four elements; wind, fire, earth and water. Constructed in six concentric circles, the Kalachakra is four mandalas in one—successively manifesting body, speech, mind, and at the center, the ultimate wisdom, bliss, as incarnation of Buddha. Visited daily by throngs, and covered extensively by all sectors of the national TV, magazine and newspaper media, to say this project was a tremendous success would be an understatement. Barry Bryant, director of Samaya Foundation, is now developing an extensive multi-year tour of the Kalachakra to museums across America and Europe. So keep an eye out, and, of course, your mind open.



Wheel of Time

The Kalachakra (Wheel of Time) Sand Mandala: Created by monks from the Namgyal Monastery at the American Museum of Natural History, August 1988. 6'2" diameter.

Starting From Seed

by Kyle Roq

Cartoons by Lily Houston

The invitation says, "You're invited to a Larenuf."

I notice the casket, painted vibrant Day-Glo colors, by Da2ryl's desert lighthouse.

"What's a Larenuf?"

Da2ryl looks at me thru closed eyes.

"Something wonderful." He holds out a few tabs of blotter. "Things you learn on acid stay with you."

I recall part of my Dope Writer Vows: "A Dope Writer should seek out new worlds, explore new lifeforms, boldly go where he's never gone before."

"What better way?" replies Da2ryl.

The vaudevillian pulled his serious face from his trunk.

Da2ryl (the 2 is silent) prepares for the '60s return by using his renowned Acid Theater to give pot growing lessons. Tonight's trip is "The Seed". While Sea of Green (See HIGH TIMES Sept. '87) and Perpetual Harvest (Feb. '88) are the best way to go, you still have to return to seed periodically. Your Self Avowed Dope Writer is at Da2ryl's remote desert lighthouse, to learn from an acknowledged master.

Carrying jasmine punks, we climb the rusted, circular staircase toward the lighthouse, where the gathered are taking off. Verbal music wafts down from the audience. Strange sounds are getting less strange. Da2ryl speaks thru Rand, his Swiss Cheese handpuppet.

"Strains age. Seeds are renewal. You've got to return to The Source. If you damage The Source, you've affected hundreds of clones. A deeply stoned sinsemilla could be ruined to a wimpy hermaphrodite. Are you writing this down? Call your notebook over."

I called my notebook over.

Da2ryl looked at me earnestly. "The most important thing: *Always* enter a room at least twice. That way you're sure you're *really* in it."

Da2ryl ate the handpuppet. A guy in striped flares banged a gong. The Letter Arranger put the plastic letters on the wall to read:

SELECTION

The Canadian Vaudevillian, baggy checkered suit and bow ties, motioned me to the stage. "Kyle Roq, I know a guy whose



parents both have blue eyes, but he has brown eyes. Do you know why?"

"Something about recessive and dominant genes?" I answered.

"No. It's 'cuz he was adopted!" Rimshot!

"But, Kyle Roq, *your* gene theory sounds interesting. That's probably why you can grow seeds from a super lid, and still end up with lousy shit, eh?"

"Heavy," backgrounded the Acid Theater Chorus in semi-unison. The Vaudevillian pulled his serious face from his trunk. "That's why you should grow from seeds with predictable lineage, from a reputable seed merchant. It takes as much time, effort and electricity to grow shit stuff as super stuff."

Da2ryl looked at me: "You're still wondering what a Larenuf is. This one will last forever. The Diggers were right. Think and you'll know." Before I realized I didn't know what the fuck he was talking about, he abruptly rose, his Merlin robes blowing in the box fan. He dramatically pointed at the gong.

The Letter Arranger, with a frightened edge to his fingers, arranged the letters to read:

STORAGE

"Prepare for intense", said Da2ryl, "Things are *really* gonna get weird."

The Republican Wives Trio chanted, "Starts to get weird. Starts to get weird." Everyone put on their Intense Glasses.

A lawyer stepped forward: "Because of the danger to live actors, we are representing with popsicles, what happens if you store the seeds you ordered from Holland, in the plastic bags they came in. *Behold!* The Shower Theme from PSYCHO screeched out, as a loud, grisly gasp ran wild in the room—stunned—stunned by hideously melting popsicles, squeezed together inside a plastic bag. The Lawyer held them in the spotlight, for everyone to see. "These are seeds, heating up from close contact with each other, and the thermos action of the clinging plastic. They will soon be dead. All of them."

You've never heard anything like the scream of melting popsicles.

The lawyer fell on the floor, pleading, "For God sake, get those seeds out of those plastic bags, as soon as you get them! You're killing them!"

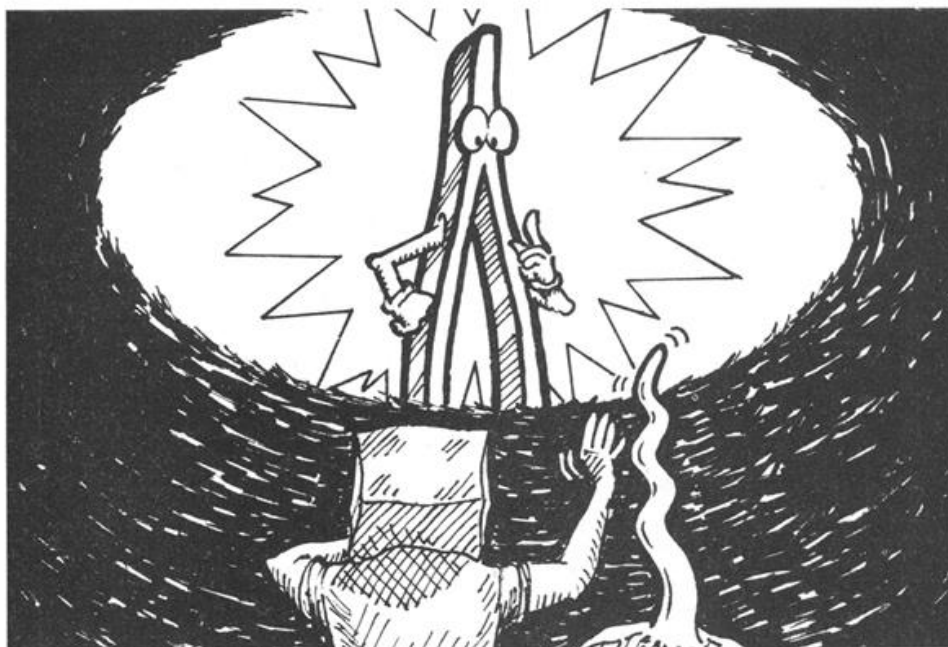
"Because seeds rattle in paper envelopes, it could make Post Office Meanies suspicious. Plastic keeps them quiet. But don't make your seeds hold their breath longer than they have to."

"How do you store them?" asked the Old Vaudevillian.

Your Self Avowed Dope Writer searched his ear for the answer, but that wasn't necessary. A large, plastic, 35mm film canister danced into the room, singing: "Stuff a bit of paper towel in to absorb moisture. Keep me and my seeds in the refrigerator. *Not* in the freezer."

"Not In The Freezer" repeated the Republican Wives.

I barely had time to call my notebook over, when, in a burst of overwhelming, furious color, the lighthouse beacon transformed the desert into:



"I know, Kyle" (said the tweezers).

ROCKWOOL CUBE LAND

We poured down the stairs, into the flying colors and sounds. I knew that some of the most critical lessons of the trip were to take place.

Silhouetted against the glowing, night desert, I noticed Da2ryl pensive, without his usual maniacal smile. "The more times you enter a room, the stronger you're in. A Larenuf works the same way. You've been holding Larenufs for a long time now, 'cept you've never realized it. This time you'll come down in a place far more promising than the one you took off from." I would have thought about what he said, but the allure of the Rockwool Cube Land Midway was overpowering.

The Ring Master gave us each a seed. The Letter Arranger flashed stencilled letters across the desert sand to read:

GERMINATING

On the Midway, the Freak Show Barker shouted, "Step right up and see amazing upside down marijanna plants! They have roots in the air and leaves in the ground! Millions of them! From all over the world!"

It was a tent full of empty pots—soil, peat, and rockwool cubes. Empty, but watered with Concerned Growers' Tears. The Quiz Master entered in a late model, brand name appliance. "How does a seedling grow with its roots in the air?"

I hit my buzzer. "It doesn't!"

"Correct!" he screamed, wildly blinking on and off. "And for the big prize: How do you avoid dead, upside down marijanna seedlings?"

A roll of paper towels winked at me, but I knew the answer anyway: "Germinate seeds between wet paper towels, in a warm, dark place." I was on a roll. The audience demanded more: "Ortho's UpStart is a great seed soak. If mold is a problem, add 2 to 3 drops of bleach per gallon." Amidst thunderous ovation I brought down the house

with, "If possible, wait till the root is far enough out, so you know which way it's headed, before planting."

"If in doubt, plant the seed sideways," added Millie Practical, "That's how they would land naturally."

We watched in awe the Arrival of The Colossal Universal Tweezers. It had just returned from transporting a single water bubble from one universe, across a storming galaxy, to its new home. The same careful touch needed to move a sprouting seed from the wet paper towels. "I don't have fingers," mouthlessly proclaimed the Colossal Universal Tweezers, "but if I did, I would *never* touch the emerging root tip with them. Fingers can easily block or crush minute root hairs, causing certain death."

Our mouths hung open in amazement. Never had I witnessed such an outpouring of compassion from an inanimate object. A vote was quickly taken. The Colossal Universal Tweezers was unanimously elected Essential Tool Of All Growrooms.

The crowd was going wild. Millie and I looked to each other, knowing we had them in the palm of our hand. In the roar, healthy seedlings sailed past us on their Roller Coaster, the constant wind keeping insects from landing and getting started. Their stems waved in the 24 hour breeze, scarring and toughening them. Their first true leaves emerged, confident, with a sneer. They would never fall over.

The crowd cheered madly! They couldn't get enough!!

"Great Larenuf, eh?" said the Vaudevillian to Da2ryl, putting on beads from the Day-Glo casket.

Da2ryl caught my confused expression. "The Diggers, Kyle. *Think.*"

Have you ever tried thinking while the sexiest rockwool cube is lip-synching Grace Slick? Her snug jeans were dripping 1/2-strength vegging nutrient. We all laughed at the cube's enormous seed hole right in her center. The rockwool cube noticed what we

A grisly gasp ran around the room.



were laughing at and joined in. Someone accidentally pushed me; I was falling down the seed hole. I looked up to see my seed, delicately being positioned by the Colossal Universal Tweezers. I'll never forget its root tip, like an umbilical cord, frantically trying to grab onto the cube's wall, streaming with rich nutrient. The seed was lodged in place, its root millimeters away from contact with food. Knowing my seed could die like that, I quickly scrambled up the side; I frantically waved and shouted at the Colossal Universal Tweezers.

"I know, Kyle," it said, with a benevolent tweezers' smile, "I wanted you to see, to feel first hand, what it's like when the root isn't in contact. This way you'll be more likely to remember it." The Colossal Universal Tweezers, with a single, deft stroke, re-

positioned the seed, pulled a bit of rockwool from one of the cube's corners, and tucked it in the hole. The relieved sigh of the seed was quickly drowned out by the Good Gospel Seed Singers taking the platform:

"Brothers and Sisters!" screamed The Right Reverend Seed, "Sisters and Brothers, even with all the care and nurturing given by personal and commercial growers, Marijuana Infant Mortality will always be with us. As callous as it may seem, this is a fact we must learn to live with! Say Hallelujah!"

"Hallelujah!" we cried.

The Right Reverend Seed continued: "You've treated for mold. You've provided a 24 hour breeze to stop insects from getting started, and make the stems strong. Your sprouts will be happy! Say Hallelujah!"

"Hallalujah!" we all screamed back.

"Hallelujah! Yeah-ya-yas! Yet, there might be a few seedlings here and there—with their confident sneer—might keel right over. Might just keel right over and die—Rejoice! I said REJOICE!"

"Rejoice!" we all screamed back.

"Rejoice for the brief life it had! Don't berate yourself! Don't blame yourself! When it got a bit behind, you helped it! If you did everything right, don't try to figure out what went wrong. Nothing did! It's just a fact that some plants won't make it past the first three weeks. That's it. There's nothing you can do about it. So fuckin' lighten up, bros!"

One could feel the collective guilt being lifted from growers across the nation.

"Say Hallelujah! Yeah-ya-yas!"

The Letter Arranger flashed across the sand:



AVOIDING HERMAPHRODITES

From behind rocks and sage, the desert suddenly burst with furious eruptions of billions of ugly Hermaphrodite Heads. That harkened back to the first rule: Screw the Good Lids—Get Your Seeds From Reputable Seed Merchants—who breed out Hermaphrodites.

"Harken?" said Da2ryl, listening to my notebook.

"What's a Larenuf?" I asked again.

The Interesting Fact Jackal appeared from behind the strobing cactus: "If hermaphrodites occur, even though your seeds are known lineage, it's from stress!" The Impatient Grower bowed his head in shame. "As Hermaphrodite Heads violently erupted everywhere, Millie Practical, arranging her bouffant, lectured the Interesting Fact Jackal: "Stress is also believed to encourage maleness. The other possibility is since males are hardier plants, it's mostly them that survive. But whatever theory is correct—seedling stress is a bad idea."

The lighthouse beacon caught a terrified Little School Clone, running barely one step ahead of the exploding Hermaphrodites' balls. The Narrator was near fever pitch: "Not only is this cute Little School Clone in danger of sprouting spewing Hermaphrodite Heads, but her Mother, a full fledged female, in the pre-flower of her youth, may be destroyed as well!"

The Gasp was again loose in the desert, as The Narrator continued his shocking tale, "This Little School Clone was a test for the sex of her parent. But the Cruel Impatient Grower cloned with 12 hours of light! Gentlemen and Ladies, cloning is stressful enough! Forcing this innocent School Clone into sex, before it even has its roots, can alter even the most elegant lady into a sordid life of Hermaphroditism! Even if the Mother Plant, cloned properly, wouldn't be!" The Gasp grew enormous.

I was only able to catch a glimpse of the Little School Clone's innocent eyes, before a Hermaphrodite Head suddenly exploded over her. Her once innocent face was hideous under an outbreak of male balls and stamens. It was like *The Exorcist*, as the Little School Clone, writhed in agony, fucking herself. But far worse was the fate of her magnificent young mother:

"Hermaphrodite!" incorrectly cried the torch bearing townspeople. Within seconds, the beautiful, Stoney Grand Dame was history—falsely accused by her own daughter.

The Impatient Grower mourned. The Lawyer again fell to his knees. "I beseech you, keep stress to a minimum! Clone with 18 hours of light! Don't switch to 12 hours until the clones are rooted!"

We all took a breath. The horrible spectacle of Hermaphroditism and the Impatient Grower were suddenly gone from Rockwool Cube Land. Rid. The halide sun again shone. Fluorescent ballasts hummed contentedly. Within seconds we were again laughing, with our friend, the rockwool cube, joking about the enormous seed hole she used to have in her center.

"Just wait till you peak!" said Da2ryl.

Morning, the desert in pre-dawn crispness. The silence is breathtaking. Da2ryl has hundreds of different smiles. He's wearing three of them, while inhaling on a hookah, from the casket. Offering: "Durban-Thai. Sativa. Great bouquet. A lively daytime up, to help you down." We take in the half-light. "Sides, there are things to do. Never touch *Indica* till evening."

I'm almost ready to face coherency.

"What's a Larenuf?" I ask him.

"What's the lesson of the Diggers?" he answers.

I dunno. "The Diggers had a funeral for 'The Hippy'. they put '60s symbols, like bell-bottoms and beads, in a coffin and carried it thru the Haight."

"And...?"

"... the media reported the Hippy was dead."

"And...?!"

"... and they went on caring for each other ... " I stop. A wave tingles rush thru me. I finally realize, "*The Diggers were trying to save the movement*. The Hippy was just a symbol. As long as we focused on symbols, our existence, human evolution, was dependent on the media. The media and the government could pretend we didn't exist. And they did. *And we fuckin' believed it!*"

Millie Practical, aroused like her cool was cut off: "If people didn't need psychedelics, like *they* keep telling us, they wouldn't have massive, doomed attacks against Lifestyle Offenses. Grass wouldn't be the number one cash crop. *Think.*"

"When the truth is found to be lies," sings the Jefferson Airplane. Da2ryl had his Walkman cued. He continues: "We've always had the power to return, finish the '60s and soar into the '90s! Most of us just never realized. Click your Nikes together three times and scream, "This Larenuf has begun."

"This Larenuf has begun!" A tear runs down my cheek as the sun shows. I shake. Then I start to cry—*The Diggers*—realize Larenuf is funeral, backwards. "*This Larenuf has begun!*" Millie and I shout with the crowd.

"Plant those seeds! screams the man with the silent 2 in his name, "The more times you enter a room the stronger you're in!"

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VARIETY

continued from page 49

from stock developed in the 1970s by a breeder in the San Francisco Bay area.

Many growers immediately associate the name Durban or South African with very early maturing, potent stock. In practice, neither of these assumptions is true. There are South Africans that are practically worthless for marijuana, and others that are some of the best the world has to offer. South African varieties may mature very quickly or they may hang on indefinitely before ripening, mimicking the latest-maturing of the equatorial varieties. Most South African that you might come across probably is descended from the "Durban Poison" developed in the 1970s in California.

The unnamed breeder had two primary concerns—high potency and early flowering—and he succeeded wonderfully with both goals. This stock is perfect for the indoor gardener no matter what the growing conditions. This Durban Poison strain has broad leaf blades almost like Afghani but long internodes like sativas. Stigmas may be pure white, red, pink, or a delicate purple. Branches grow with differing lengths like Thai, and the profile may be from an eight-foot ovoid down to a four-foot squat bush. This Durban is fast-growing, hardy, very early to mature, very potent, tastily sweet or spicy, and fragrant. What more could a grower ask? A last caution: of the six original varieties from South Africa that this breeder grew, only one variety, and only two out of 16 female plants from this variety, were worthwhile for breeding.

North African and Mideastern.

(Morocco, Turkey, Lebanon, Iran and Iraq.) Most of these marijuana varieties have been cultivated for hashish rather than marijuana. These plants tend to be very resinous, but much of the resin consists of nonpsychoactive cannabinoids such as CBD.

There are innumerable varieties from Central Asia and Northern Africa, and they range from very short (under four feet) to fairly tall (up to 14 feet). Some unusual varieties have sativa-like leaves. Other unusual varieties have broad, indica leaf blades and reach up to ten feet tall. If you have original potent stock, it should do well under lights. Northern African or Mideastern stock may also produce an abundance of CBD, a cannabinoid that had been suspected of altering or influencing the quality of the overall high, although this assumption has been refuted by recent research. **Apparently CBD has little if any effect on the overall high.** I've never found any Northern African or Mideastern strains that were exceptional, but other growers have told me of good Lebanese and Moroccan stock. ●

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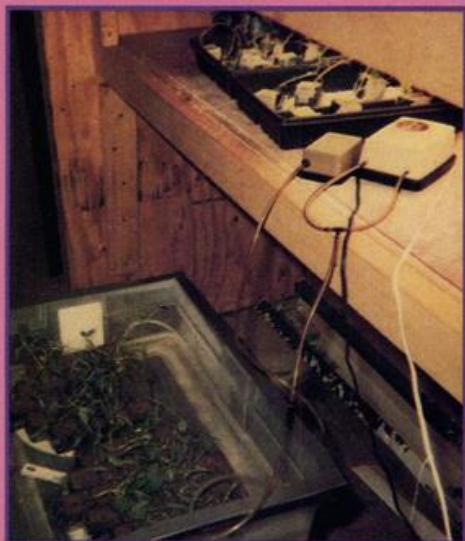
ASK ED

READER REPORT

The Lion and the Tiger sent me a report on their garden. Here it is.



This Big Bud plant produces hundreds of clones.



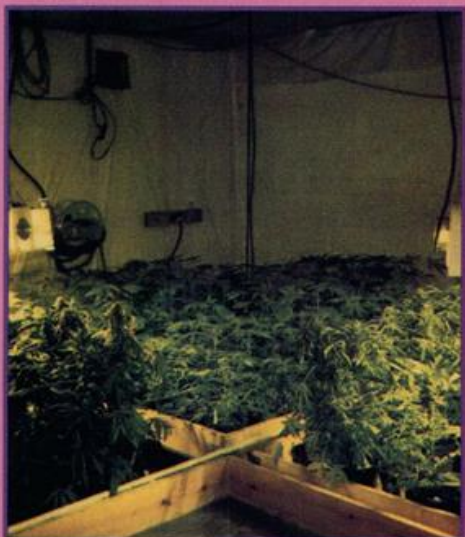
Clones in bubbler. They are hardened off on a propagation mat in the clone cabinet.



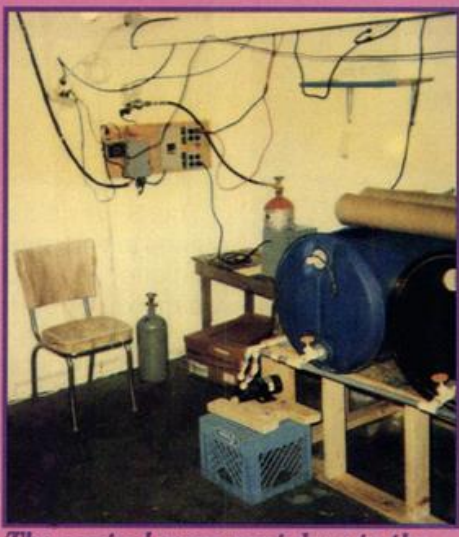
Big Bud mama on the right, 60 clones on the left.



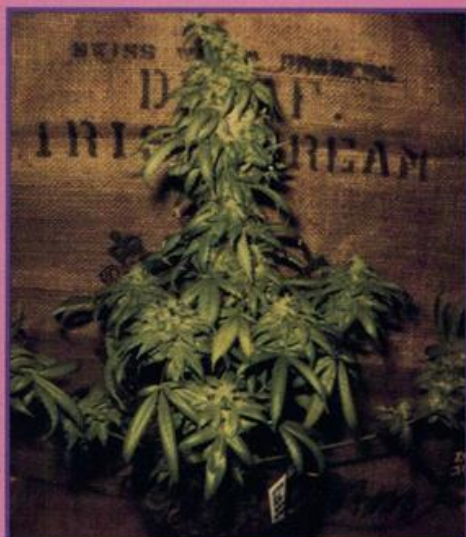
Clones in 6" containers. Big Bud and Skunk #1 ready to go into flowering.



The flower room 128' sq. It is lit by two 1000-watt HPS on a Suncircle.



The control room next door to the flower room. 200-gallon tanks. I use Eco-Bloom fertilizers.



Big Bud clone 19" trims out to 13 grams.

ASK ED

continued from page 60

not take too much vertical space. The reflector may have to be modified, too. Another solution is to use circular fluorescent tubes which screw into incandescent receptacles. Use about one lamp per square foot.

To conserve space and maintain the most area for the roots, use trays about 4" deep filled with potting mix. Plants should be spaced about 4 per square foot and put into flowering when they are 6" tall.

HPS OR MH

Dear Ed,

In "No Sweat Hydroponics" (June '88 HIGH TIMES) you said that the best way to go for one lamp is an HPS. In *Mega Crop*, by Simon Wright, he says that an MH is the lamp with the best spectrum for all-around growth, the HPS is best for flowering and that the two lamps combined have the best spectrum of all.

Who's correct?

Thanx,

—Dazed and Confused
Indianapolis, Indiana

Mr. Wright and I are in disagreement over this issue. His information may be suspect however, since the book is published by a light manufacturing company which has an interest in selling more lights

WATER FOR ROPE?

Dear Ed,

Supposedly, pot plants that are watered every day, so that the soil is always moist, produce hemp with a very low THC content. If so, how do hydroponic systems produce anything other than rope?

—Ba

Bethel Park, PA

Hemp and marijuana are two big subgroups of cannabis. Both were developed by humans which bred them for different purposes. Although the environment plays a part in the potency of marijuana, the main factor determining taste, potency and high is genetics. Plants grown in moist root environments are as potent as sisters grown in drier regimens. If plants are grown with ample supplies of water and nutrients they grow faster, too.

• I welcome comments, tips, and questions regarding marijuana and marijuana cultivation. Send all letters to Ask Ed, HIGH TIMES, 211 E. 43rd St., New York, NY 10017. Also send entries for the Bud, Plant, and Garden of the Month Contests. All correspondents whose letters or photos are used will receive a free copy of my book, *Marijuana Growers Handbook*, Indoor/Greenhouse Edition.

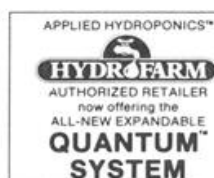
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LETTERS

continued from page 60

EISNER'S ECSTASY

In the third installment of your series by Bruce Eisner entitled *Ecstasy: The MDMA Story* (HIGH TIMES Oct. 1988) there is a quote attributed to an article by Thomas & June Riedlinger which appeared in the *Journal of Psychoactive Drugs*—according to the author.

This piece deals with obtuse or inconsistent reporting methodology surrounding MDMA. This piece never appeared in the JPD. In fact, it is copyrighted by *Psychedelic Monograms & Essays* and Thomas & June Riedlinger. It will appear—for the first time—in our Autumn 1988 (vol.4) edition. This is a copyrighted piece, and no attempt was made to verify our approval or ask for permission to reprint from it.

This seems consistent with other mistakes or outright falsehoods reported by Eisner in this piece. For example:

1. Tom & June Retlinger (sic) are really Tom & June Riedlinger.
2. Rick Doblin is not 31, but 36.
3. MDMA's "discovery" by E. Merck, Inc. in 1914 had nothing to do with any search for specific pharmacology, as your author stated. In fact the patent paper and the resultant 1920 published report by Merck lists no pharmacology whatsoever. Bruce Eisner has no references or bibliography showing this to be the case. Alexander Shulgin has confirmed this mystification of MDMA in a recent letter to Thomas Riedlinger.

—Thomas Lyttle,
Highland Beach, FL.

FRIENDLY COPS

Hats off to our "Real" Friendly Neighborhood Cop (Letters, August '88). This guy really has his head on straight as far as a policeman's priorities are concerned. Hopefully, a few of those gung-ho rookies looking for stripes and glory will get their minds out of the clouds and onto similar priorities when they read our hero's letter.

—Don't Tread On Me
Worcester, MA

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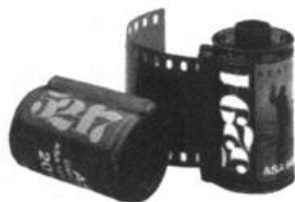
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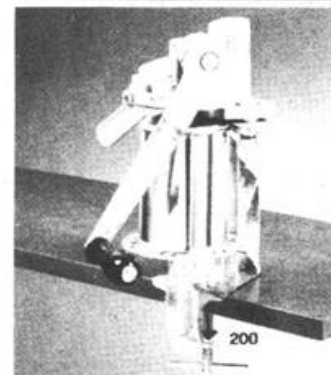
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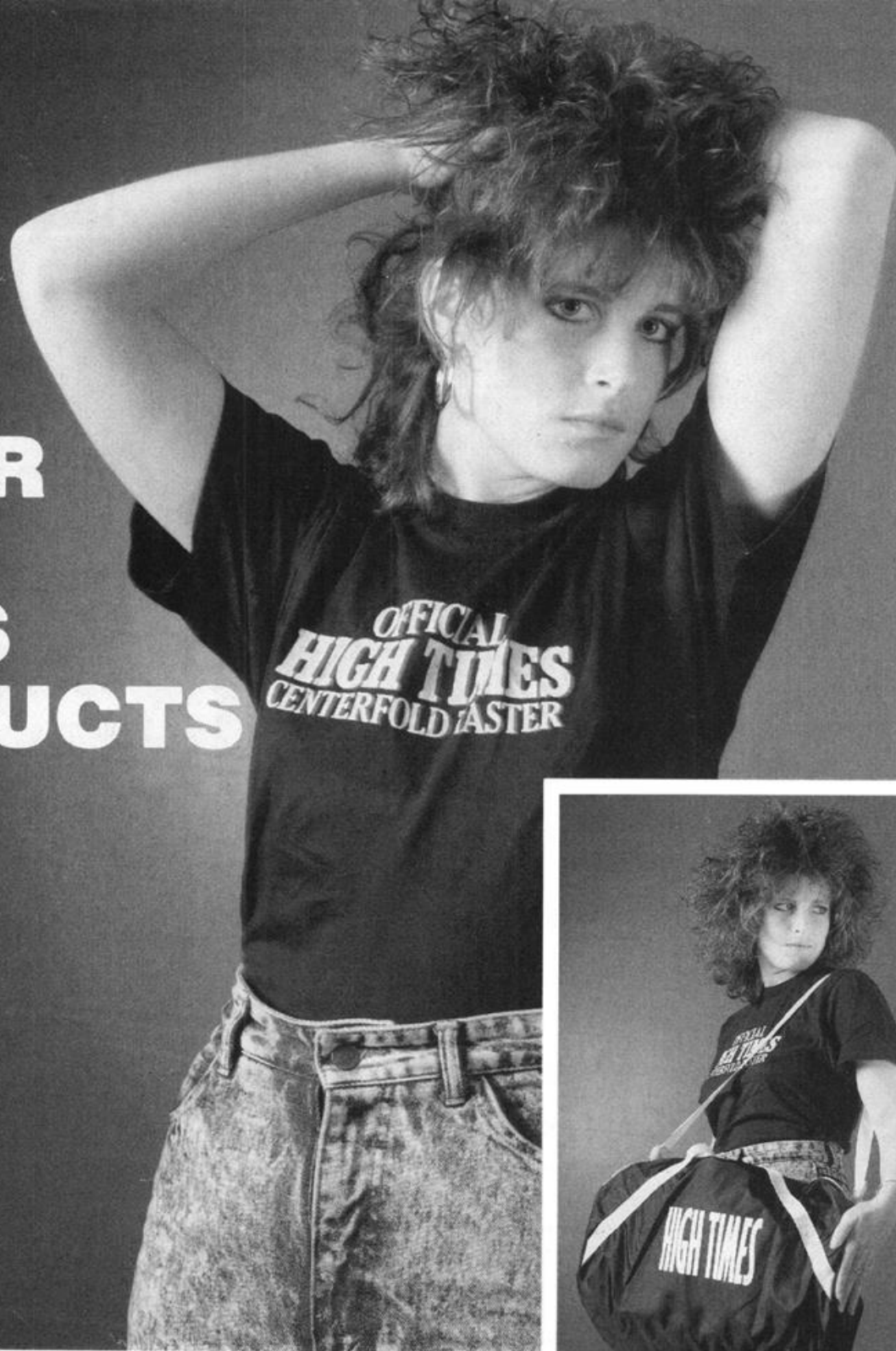
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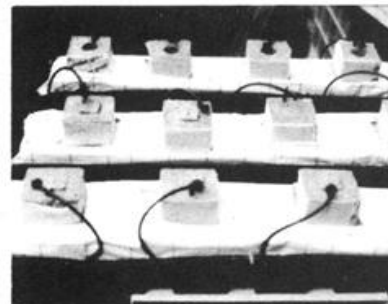


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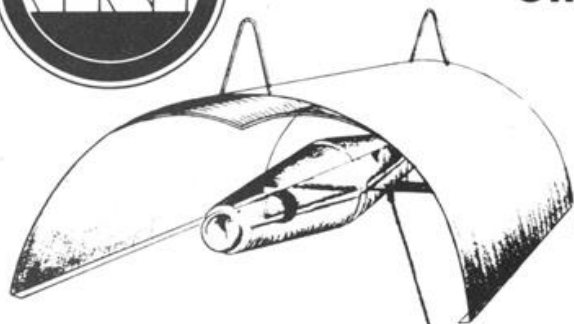
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W A N T E D



An arrest for marijuana can be a devastating experience, not just for the victim, but for the family and friends as well.

Even those who don't go to jail can face an arrest record, probation, urine testing, property confiscation and the humiliation and shame associated with a trip through our criminal justice system.

Unfortunately, people **ARE** going to jail for marijuana. And the numbers are increasing. A community social worker in Texas was just sentenced to 60 days in jail and fined \$1500 for possession of 2/10th's of a gram of marijuana. It was her first offense.

These people need our support.

NORML provides legal referrals and assistance, credible information about marijuana and the reassurance of moral support. We need your help!

If you or someone in your family has been arrested for marijuana, please write us about your experience.

If you or someone in your family has submitted to a random urine test and lost their job due to an inaccurate result, please write us about your experience.

If you have not yet been arrested or urine tested for marijuana, please help us help the victims while we work together to prevent it from happening to you!

Please send a generous donation or join NORML today!



MAIL TO:
**NATIONAL ORGANIZATION FOR
THE REFORM OF MARIJUANA
LAWS** 2001 'S' Street, N.W., Suite 640,
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NORML, I want to help prevent it from happening to anybody!

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PROHIBITION

continued from page 35

deleterious effects. By allowing controlled, regulated availability, the high profit incentives were removed and the allure of the harder drugs was reduced. Attraction for harder drugs decreased.

Even in the US, the elimination of marijuana from prohibition has contributed to a net reduction in marijuana use. Eleven states encompassing one-third of our total population have taken this course in the last ten years. The resultant reduction in marijuana use in these states have been impressive.

Never in history has a society been able to totally prohibit the consumption and use of consciousness-altering substances. Profit always insures that someone will be in the illegal trade and that when one person is removed, someone new will come in to take their place. Blackmarket profits lead to marketing, competition, violence and corruption. Legal availability separates the soft user from the hard user, removes profit as a driving force behind the market, and brings the underground to light, thereby placing it under greater control.

It is clear that we will not stamp out drugs by the application of brute force. We must recognize that all drugs are not the same and we must act accordingly. We should not be criminalizing tens of millions of our citizens because they prefer to use marijuana.

Marijuana is a mild consciousness-altering substance that is nonaddictive and relatively or comparatively nondeleterious when compared to alcohol or tobacco. Its regulated availability ought to be allowed.

Americans respond to honesty and education. Let us be honest and remove marijuana from its current prohibition. Let us not lump it together with other more harmful substances. It is different. Let us admit this truth. It is less harmful. Let us say so. Let us use the funds that we can save from this failed marijuana policy to educate and treat those who need it.

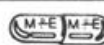
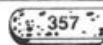
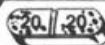
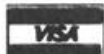
Education has led to an overall reduction in the consumption of tobacco, hard liquor, red meats and fatty foods. Americans are becoming healthy, not because it is a crime to be unhealthy, but because education is telling them it is the right thing to do. Let us take our dollars out of criminalizing tens of millions of our people for a choice of lifestyle and put that money into education so that the people can learn the truth about such substances as crack, heroin, and PCP. Let those who wish it, have treatment available. Let us give them someplace to turn other than a jail cell.

We can achieve all of this by making marijuana available in a controlled and regulated system. Let us be reasonable. ●

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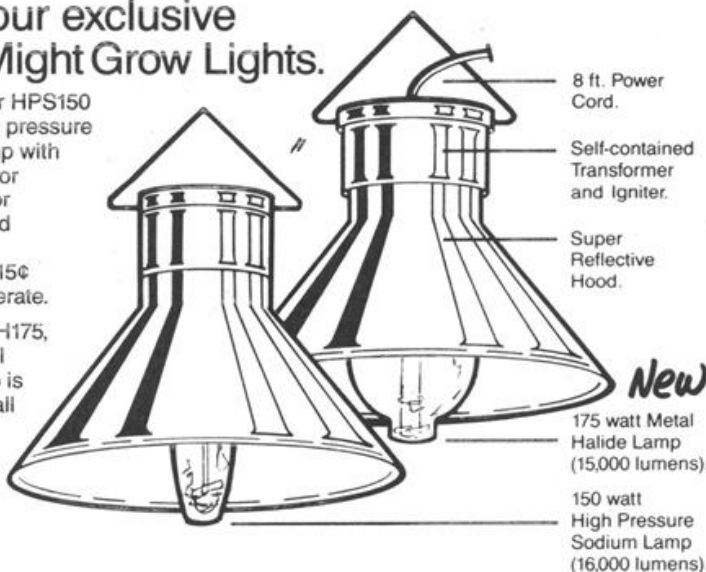
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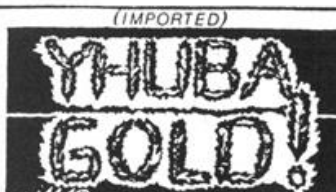
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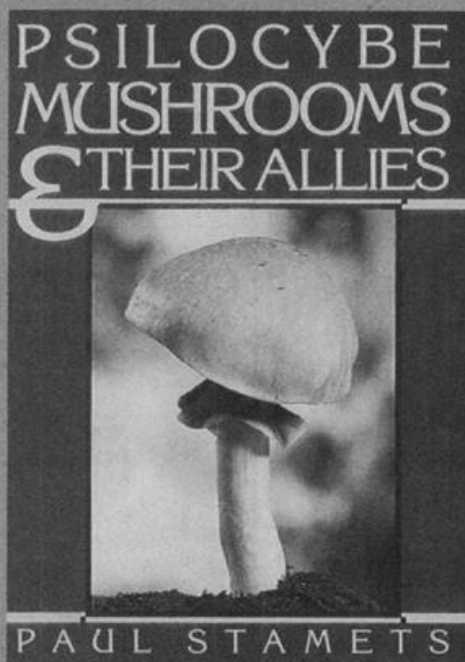
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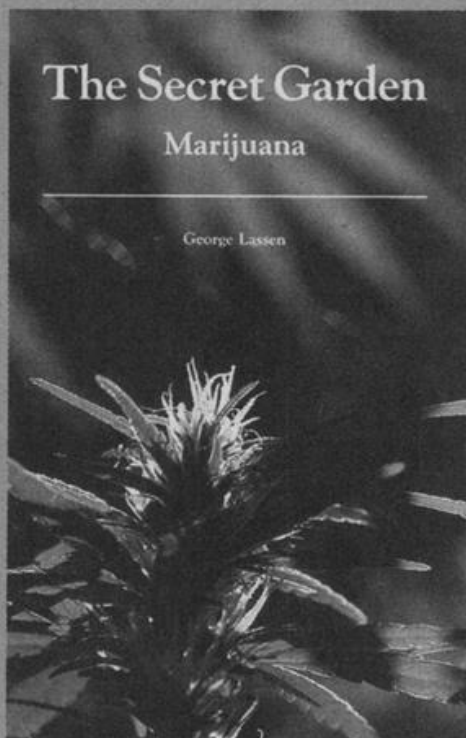
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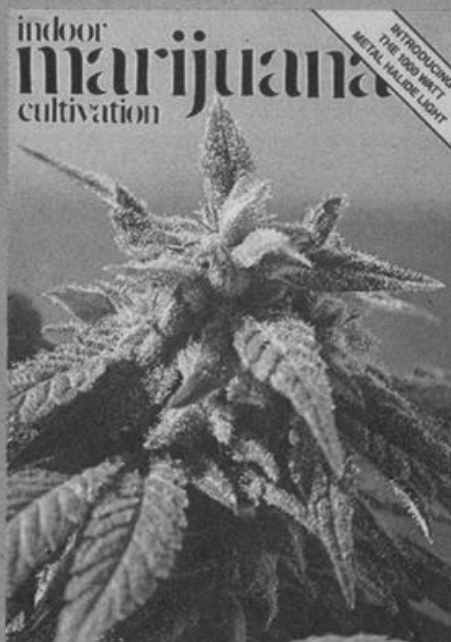
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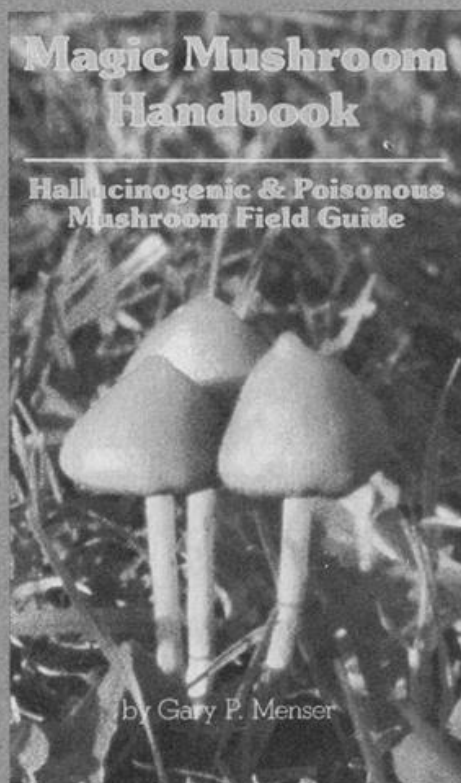
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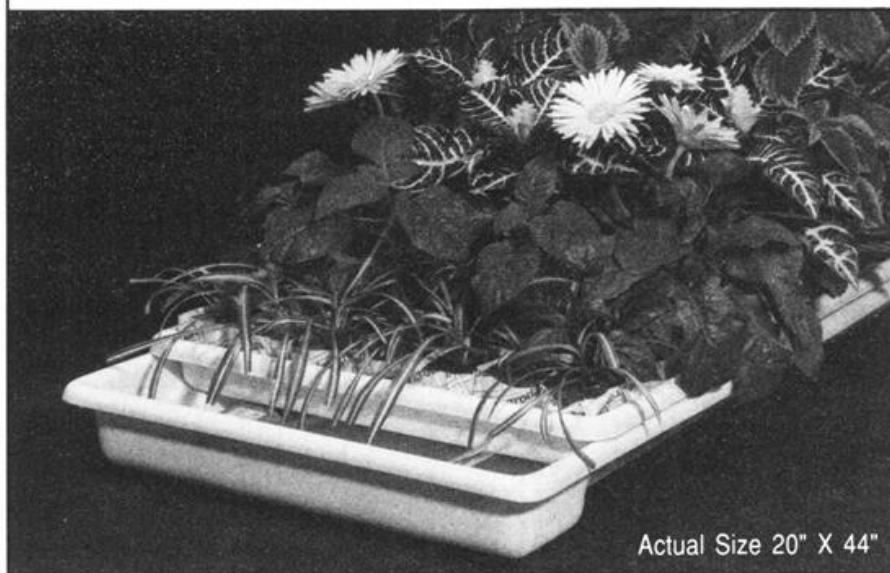
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Masel

continued from page 42

HT: All you need to get off the charge is for one person on the jury to agree, right?

BM: Well, there's places you can win twelve out of twelve, if you can make your case.

HT: But all you need is one. They can hang the jury.

BM: You can be re-tried in that case. I don't think it's impossible to get twelve out of twelve, if you carefully prepare your argument. And, of course, if your case is without complicating factors.

HT: Such as?

BM: Other drugs.

HT: Although I've hoped for such a chance myself, all the cases I've been called to be a juror for in New York have been murder cases or robberies.

BM: Out in the sticks you get plenty of farmer trials. In a state like New York one of the reasons they can't put heavy crack dealers away is that the spaces in the prisons are all taken up by the farmers from upstate.

HT: It's incredible to me that the courts continue to waste so much time and effort on marijuana cases, and that pot is still illegal.

BM: There are people in Congress whose personal inclinations are in favor of gun control who'd never vote that way because they know what the NRA (National Rifle Association) can do to them. The pot vote at this point doesn't have anything like that level of organization. There's as many pot smokers as there are gun owners.

HT: Probably more.

BM: There are as many pot smokers as gun owners. Congress is obviously willing to walk all over us, but they won't touch the gun owners. The difference is gun owners have an organization that can actually dump ten thousand letters from a Congressman's district on his desk in a week.

HT: Why don't you think pot smokers bother to writing letters to Congressmen or getting involved in any kind of real activism?

BM: One set is scared to have it come out they're pot smokers; another set thinks it won't do any good, and perhaps a subset of that, the more sophisticated, those who might send letters, don't know of any time when it would particularly do any good. We don't have enough communication to do a concerted letter-writing campaign, and individual letters help less than a large pile dumped on a

desk in a particular week.

HT: But that's what the NRA can do.

BM: Right. They can, on very short notice, do a mass mailing to people who will actually sit down and write a letter to their Congressman.

HT: I guess you could compare the NRA to NORML, in a way, because they're both lobbying groups supported by a constituency—

BM: But one lobby is a lot better-supported by their constituency than the other.

HT: Right. Why don't pot heads support NORML? It's pretty shocking, really. For instance, at the Madison festival, when Ed Rosenthal explained the importance of people giving money to NORML, most people sat on their hands.

BM: There's a large perception that NORML has historically represented the interest of the pot lawyers more than the pot smokers. They pulled certain punches, like, at one point, calling for decriminalization, rather than legalization, and left the lucrative cultivation and sale cases illegal, even in places where possession, which was a nuisance for attorneys, was taken out of the criminal statutes.

Can we mention the marijuana news service? By the time this interview appears, we'll hopefully be holding a news service and legalization discussion board on PeaceNet, a computer network based in California and primarily devoted to the peace movement. Hopefully it will include things like copy from sources like HIGH TIMES, especially things that "age" too fast to make it into the publication as it's presently structured. It's giving us a chance to write our Congressmen, not just in the abstract, but to deal with particular bills as their time comes, and not just write about them after they've passed.

HT: How can someone hook into this?

BM: Any computer with a modem will do. You have to go through PeaceNet to get an account. They charge ten dollars a month. Their voice phone is 415-486-0264. Mark Graham, the manager, is very sympathetic. After getting the account with them you dial into TeleNet, which is a long distance carrier, give the access code, which is the TeleNet phone number, and that will plug your computer into their computer. You can read copy from other people, or post your own. They also have a live conference capacity, which is not as cost-efficient, because you're paying for your time, and thinking about what you're going to write, then writing, instead of just writing things up

beforehand and sending off a whole package.

HT: It sounds like Compuserve. You have your message boards, and your "CB Radio" boards, which are more fun to be on because everything happens live, like the phone party lines.

BM: Yes. Exactly.

HT: How much will it cost to be online?

BM: Five dollars an hour evenings and weekends, and something like fifteen or sixteen dollars daytime. I never bothered to learn the figures, because I never use it during the daytime. I think it's seven dollars an hour on Compuserve.

HT: Tell us about your "Legal in '89" strategy?

BM: It seems to me that we've been talking about changing the laws in the abstract. Between now and the fall, if we can let politicians know where the marijuana vote stands, we can do it. We're not talking about changing the law someday down the road—it's time to get serious. To get serious, let 'em know we mean to see something serious. It's time to put a date on it! What's wrong with this year? Start calling for some serious changes, like bills in state legislatures and the Congress this year! Developing enough of an organization can make it happen. We've screwed around long enough.

HT: So what's the first thing everyone reading the interview should do as soon as they're finished?

BM: The House of Representatives is about to resume its hearings on legalizing drugs in January. They're going to announce the date sometime after the 4th of January, when they come back to session. So it's a very important time to be writing to our Congresspeople, particularly to the House of Representatives. At this point we don't know what kind of comprehensive Drug Bill will come out of committee—given what we know they'll be choosing between, we know it will be awful. It's time to turn that tide among our representatives.

HT: What do people face if they don't write to their representatives and Senators?

BM: By the time you're reading this I assume they'll have the \$10,000 fine for possession in place, they'll revoke the right to get student loans for drug offenders, they're going to pull Social Security off of people with any kind of drug conviction, including possession, and they'll certainly include the death penalty for some drug offenses.

HT: Which is why HIGH TIMES is calling for 1989 to be "The Year of Protest". This is the year we have to do something. ●

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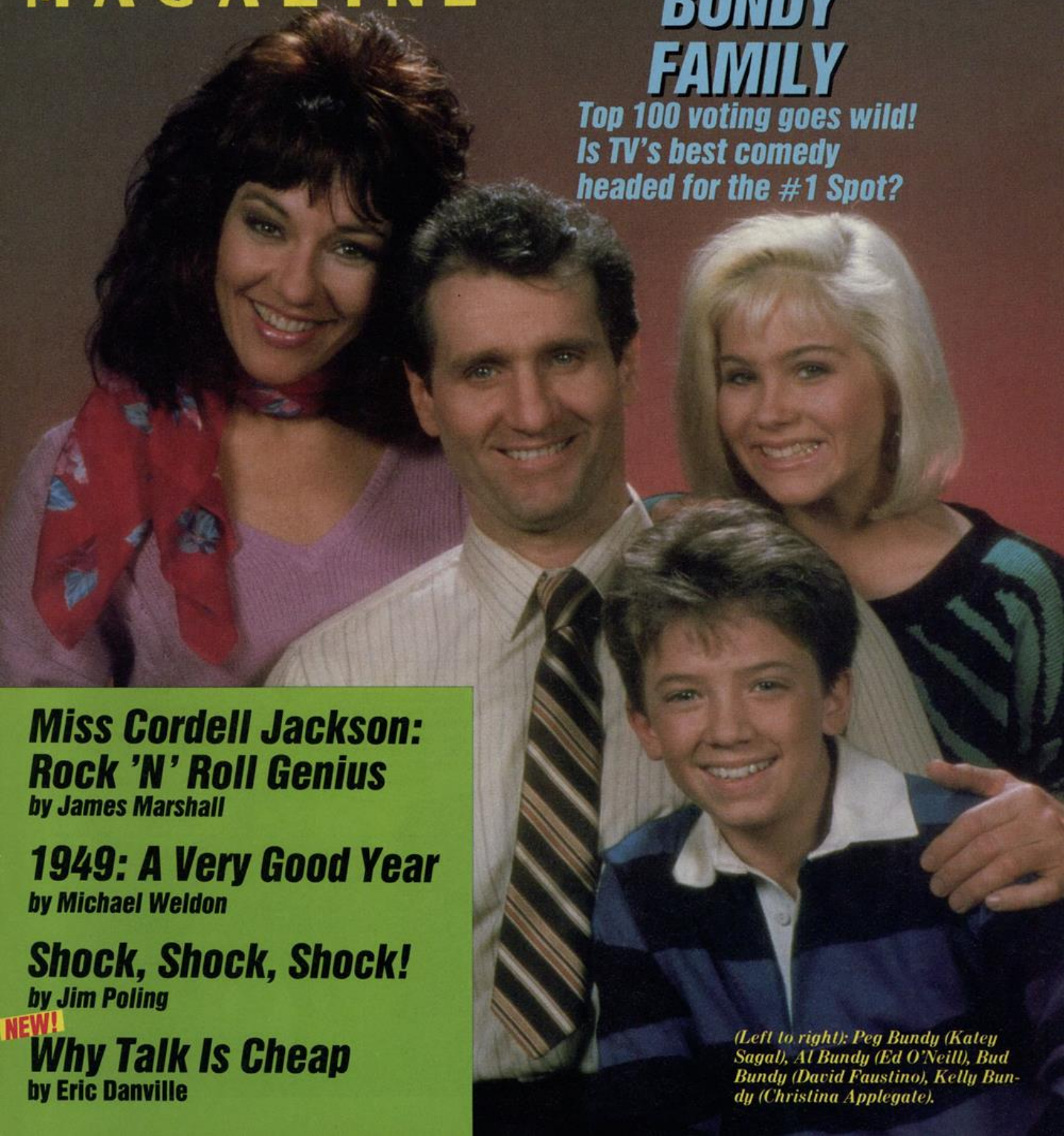
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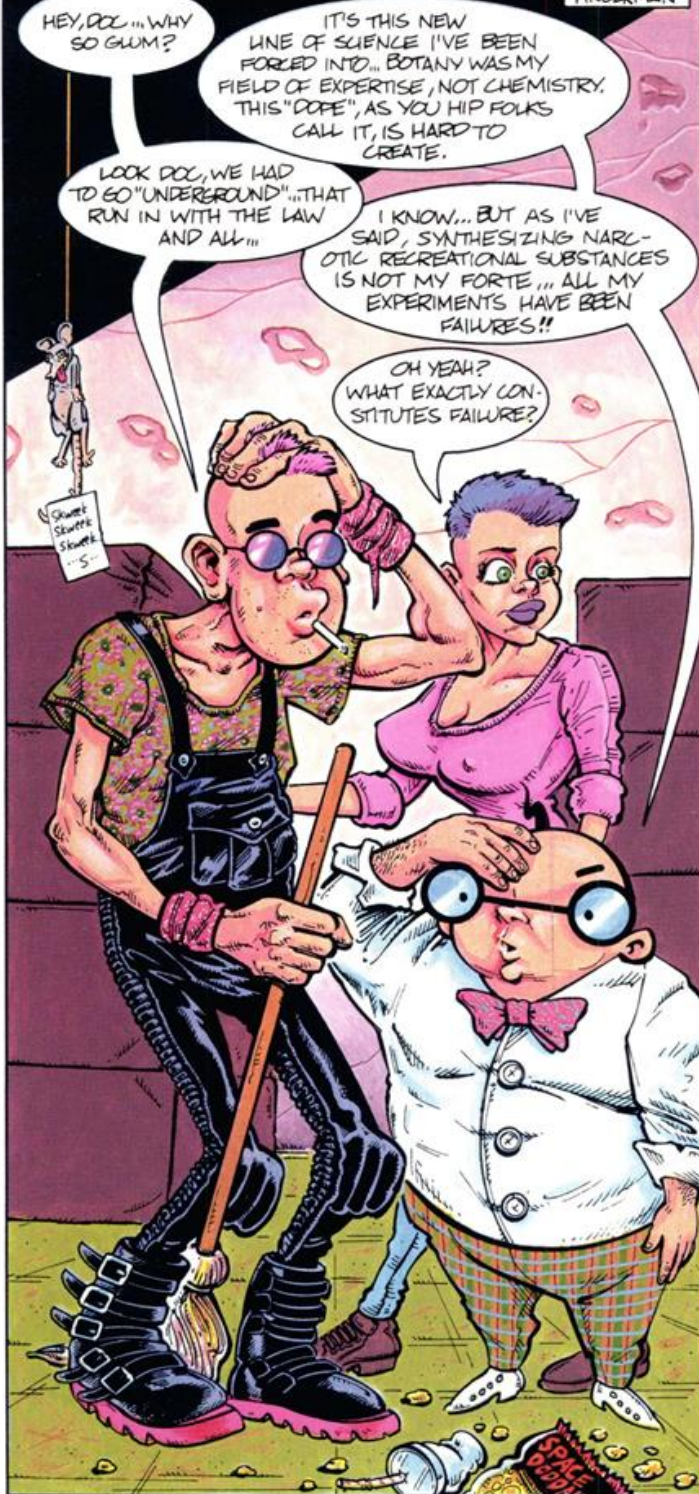
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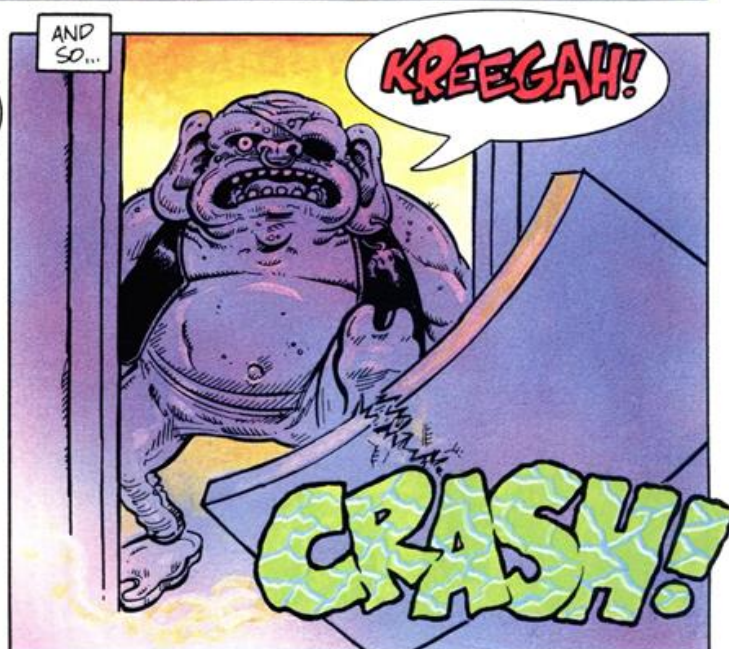
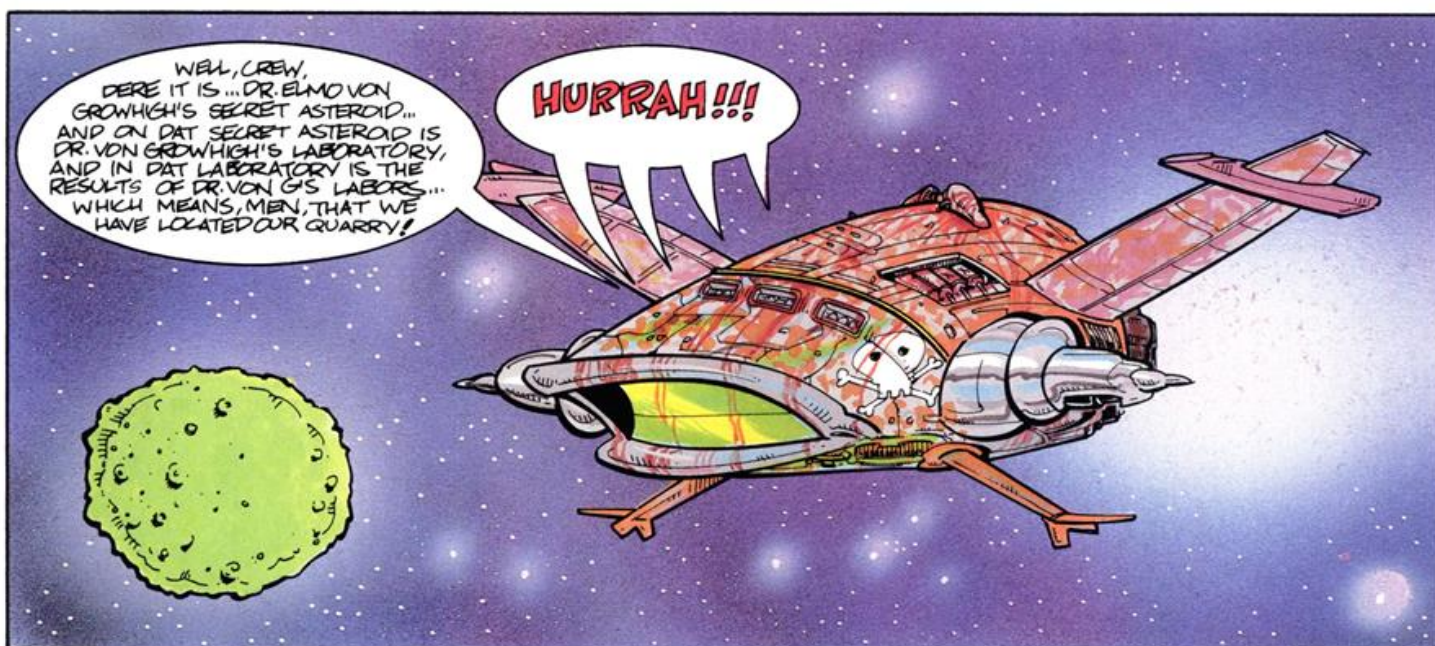
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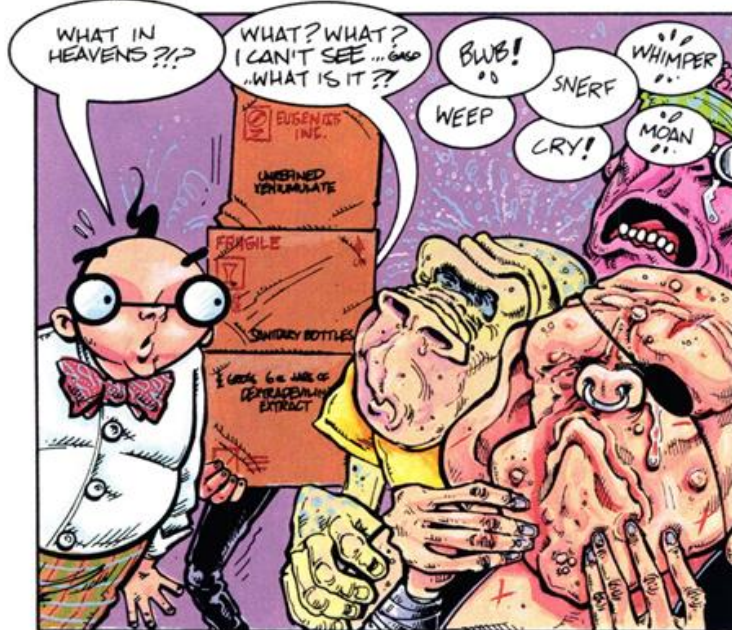
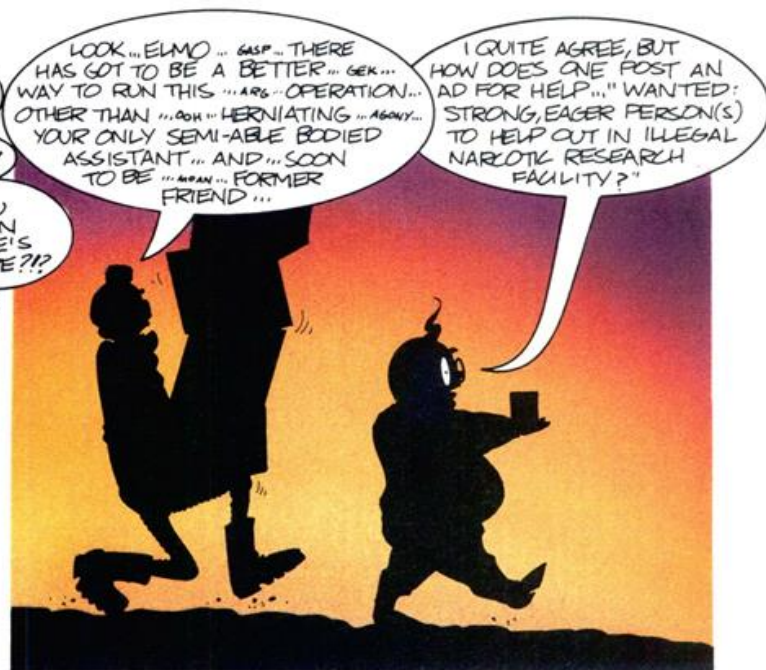
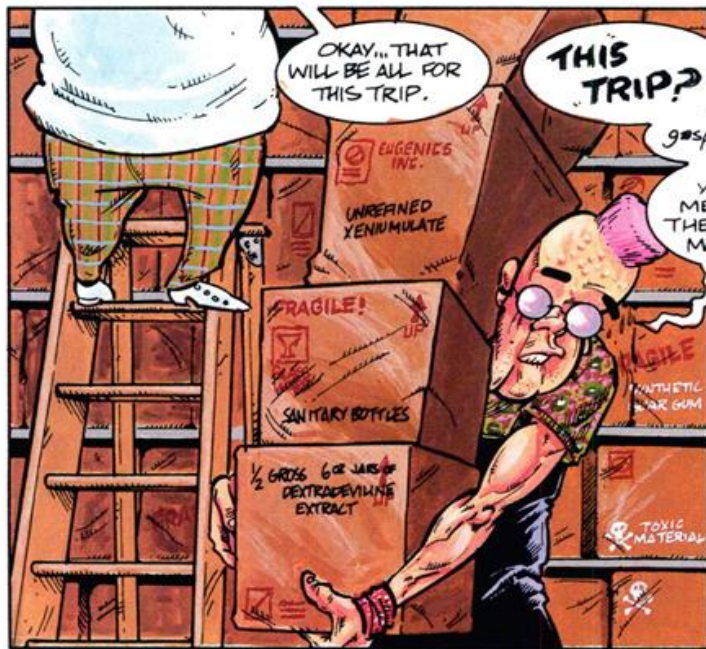
(Left to right): Peg Bundy (Katey Sagal), Al Bundy (Ed O'Neill), Bud Bundy (David Faustino), Kelly Bundy (Christina Applegate).

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TAPEWORM

by JIM POLING



COP ☆☆☆☆

Starring James Woods, Leslie Ann Warren and Charles Durning. Directed by James B. Harris. (Paramount)

Finding the body of a mutilated woman hanging by her feet in her sunny California apartment, LA cop Woods gets hooked on the case. James Ellroy wrote the novel *Blood on the Moon* on which this is based. Like Ellroy's other fictional heroes, he is not only preoccupied with death—Ellroy's mother was murdered when he was ten—but with the sadness and embarrassment of it as well. The movie is solid, absorbing and unemotional (likewise Stanley Kubrick's earlier films which director Harris produced). Its vanishing act at theaters may have something to do with the payoff, which is quick, unsurprising and believable. (1988)

ROCK, BABY, ROCK IT

☆☆☆

Starring Johnny Carroll, Kay Wheeler, The Cell Block Seven and The Five Stars. Directed by Murray Douglas Sporup. (Rhino)

A Memphis-filmed obscurity unearthed by Rhino Video. This curio's cult status arises not only from its long time inaccessibility, but also its lineup of obscure and impressive rockabilly stars—Carroll's "Wild, Wild, Women" and The Five Stars' "Hey, Juanita" are highlights. Also featuring Preacher Smith and the Deacons, Rosco Gordon and The Belew Twins. Co-star Wheeler helped instigate the International Elvis Presley Fan Club. Don't miss it. (1957)

THE IN CROWD ☆☆

Starring Donovan Leitch and Jennifer Runyon. Directed by Mark Rosenthal. (Orion)

The surface similarities between this and John Waters' *Hairspray* at first seem uncanny, but the latter had more on its mind, took less time to tell it and had more fun doing it. Boy meets girl during a 1965 TV dance show (the costumes are more '80s retro than '60s pop)—then the show is replaced by "Psychedelic Shack", braids replace beehives and Bob Dylan's first album is released. A weak point of interest is star Leitch (son of Mellow Yellow) who comes across as a fey Tom Cruise. (1988)



SHOCK! SHOCK!

☆☆☆

Starring Brad Isaac, Cyndi McCrossen and Allen L. Rickman. Directed by Todd Rutt. (Rhino)

This nutty compendium of junk movie clichés opens with a three-year-old baby accused in the stabbing death of his parents, then picks up years later as he faces monsters, aliens and truth serum in discovering the real story of his wacky past. It was made as a goof, which might explain the lack of pretension and self-satisfaction usually associated with Z-movie-inspired independents. Actually it's closer to the tentative moods of George Kuchar and Curt McDowall. Nice opening titles and an efficiently fun score by Bruce Gordon. (1988)

TRACK 29 ☆☆☆☆

Starring Theresa Russell, Gary Oldman, Christopher Lloyd and Sandra Bernhard. Directed by Nicolas Roeg. (Key)

Manic depression, murder, lost affection and deranged romanticism. Roeg and Russell, certainly the decade's most bizarre creative coupling won't win any new admirers with this outre comedy, but it serves both talents well. Oldman is at his best here as an infantile intruder who fulfills Russell's motherhood fantasies (and his own incestuous fantasies) while claiming to be her abandoned son—a regressive parlor game fabricated by Roeg as the ultimate sex and death fantasy. Unbalanced but always in control. (1988)

BLOOD FEAST ☆☆☆

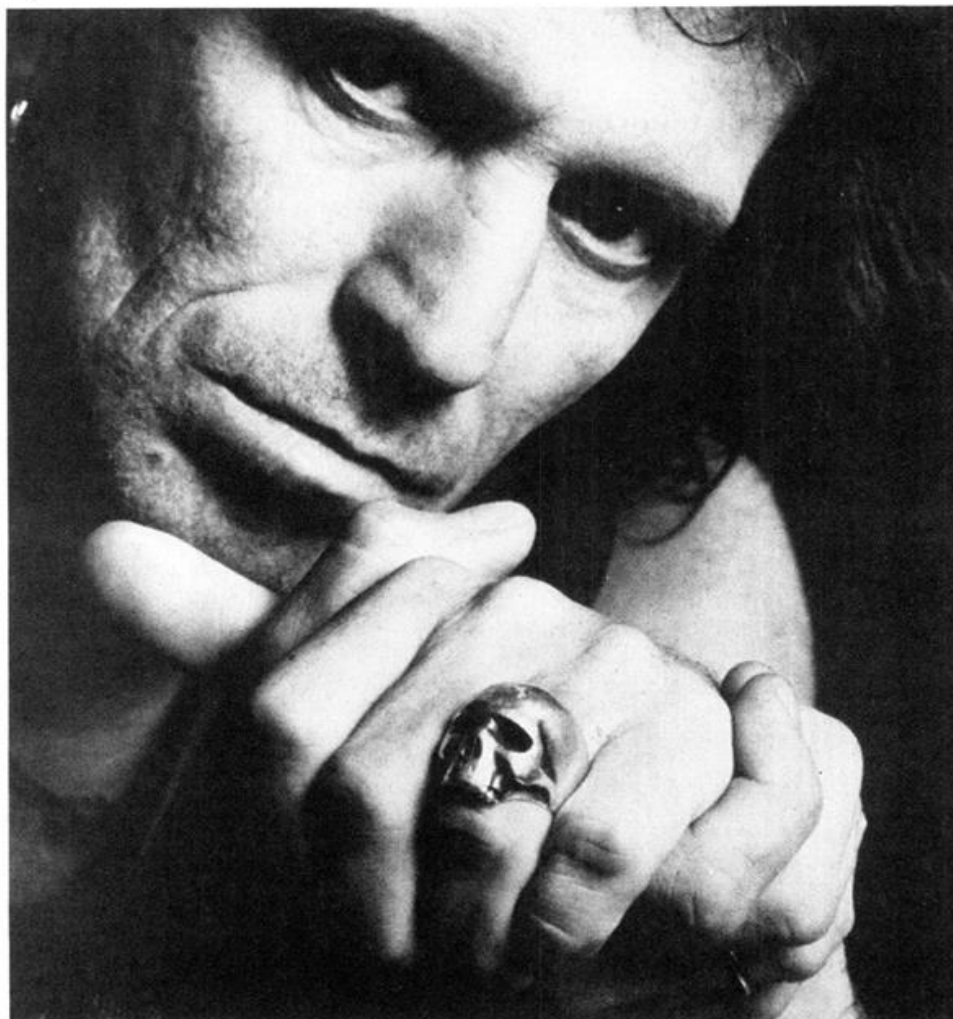
Starring Connie Mason. Directed by Herschell Gordon Lewis. (New Star)

This is the first of New Star's reissues of Gore Godfather Herschell Gordon Lewis' underground classics. Lewis emerged from the South in the early '60s to give audiences what they had never seen before. Lewis' films are even more visceral than contemporary splatter, but they're far less depressing. The effects are cheap but enthusiastic (cow tongues and animal innards rather than today's cold-blooded pyrotechnics) and the acting is atrocious, yet there's something unwholesomely gripping. Lewis' literal-minded yahoo fests force us to respond to a culturally devolving society, which both Lewis and the audience are part of. (1963) ●



WHY TALK IS CHEAP

By Eric Danville



Surely one of the oddest aspects of the music industry is the "solo album". It can be tremendously hyped (remember the KISS solo album campaign?) and still be incredibly disappointing (remember the KISS solo albums?). The primary question which comes to mind upon hearing news of the impending release of a "solo album" is: Why would a member

of a commercially successful and critically acclaimed rock 'n' roll band want to get out from under the security blanket of a built-in audience and almost guaranteed sales? The primary answer that comes to mind is: to put one's band on salary and keep the lion's share of the profits for oneself.

Take Keith Richards. *Talk Is Cheap* (Virgin

Records) is Richards' answer to the layoff of the Rolling Stones forced by Mick Jagger's totally abysmal *She's The Boss* and *Primitive Cool* (two perfect examples of why *not* to release solo records). While *Talk Is Cheap* is not the riff-heavy LP you would expect from the voice and fingers responsible for "Happy", neither is it a total waste of time, tape, or talent.

But there is no "Happy" on *Talk Is Cheap*; there's not even a "Before They Make Me Run" or "Little T & A"—a situation which is bound to disappoint many Stones fans. To expect a whole album's worth of "Happy's" or smoking guitar riffs would be unfair to Richards and would detract from one of the few good things a solo record can provide—the opportunity for an artist to express different sides of his personality (which the few Stones LP tracks Richards *has* claimed fail to do).

But let's be unfair for just a moment. This album doesn't cook so much as baste in its own juices. No hot and heavy guitar riffs here; the only real rocker is "I Could Have Stood You Up", Chuck Berry-style fodder saved only by the piano of Berry's sideman Johnnie Johnson and Keith's trademark Chuck Berry guitar work. No real anger on this album, either—aside from "You Don't Move Me", Richards' "How Do You Sleep?"-ish ode to Jagger's musical infidelity. And even that comes off more as the whining of a spoiled kid whose friend took the ball and went home (to start his own team) than the kind of rock 'n' roll that would scare the piss out of your parents. Which is what the Stones at their best were all about, right?

Not to say this album is totally void of good music. "Big Enough" boasts the bass of funkmeister Bootsy Collins, settling into a groove that desperate neo-soul bullshit like "Harlem Shuffle" only teases at, while "Make No Mistake" and the misleadingly titled "Rockawhile" nicely offset Keith's vocal atrocities with the beautifully erotic voice of ex-Labelle babe Sarah Dash. All in all, *Talk Is Cheap* would have made a wonderful five song EP.

Sorry to say, this is not the album people would have wanted from Keith Richards, guitar hero. So, if you want to hear eleven tunes like "Happy", listen to "Happy" eleven times. If you want to find out what Keith Richards is up to in 1988, get *Talk Is Cheap*.

So why is talk cheap? Talk is cheap because if all the hype preceding this record were true, it would be nailed to my turntable. And it's not. ●

SANTE D'ORAZIO

TWISTED IMAGE by Ace Backwords ©1988



PSYCHOTRONIC

by MICHAEL J. WELDON



We all have our own fixed cliché ideas about what past eras were like, especially the '50s and '60s. The '40s makes people think of World War II, but a post-war year like 1949 has always seemed like a drab, forgettable time when nothing important happened and even the entertainment world was in limbo.

If you take a closer look, a lot was going on 40 years ago. Even if we weren't around yet, rock and roll was still waiting to

People with television sets could already watch Milton Berle, *Candid Camera*, and *Kukla, Fran and Ollie*. New TV programs of 1949 included *The Life of Riley* (with Jackie Gleason, who was replaced after one year), *Captain Video*, and *The Lone Ranger*. Kids' action-heros at home spelled the end for 12-chapter serials in theatres. By 1949 only two studios were still making serials. Columbia released three (including *Batman And Robin*) as did Republic

the River, based on the novel *Amboy Dukes*, and *Gun Crazy*, sort of a modernized Bonnie and Clyde story that still amazes. It was a bad year for Hitchcock. His *Under Capricorn* was a flop and its star, Ingrid Bergman left the country during a major scandal (she had a baby with her future husband before divorcing her future ex). A better scandal was Robert Mitchum being busted for being at a pot party. He had to serve 60 days in jail. It didn't hurt his career a bit. A young actress, Lila Leeds who was busted with him, cashed in by starring in *Wild Weed* (a.k.a. *She Shoulda Said No*, a hysteric anti-drug movie that's more fun than the older *Reefer Madness*).

The Bowery Boys starred in four movies, including *Master Minds*, with a mad doctor



In 1949, Batman and Robin was one of the last movie serials produced in Hollywood.

happen, and Hollywood was in a major slump. In the real world, Harry Truman, the president who made the decision to drop the big one, was sworn in for a full term. Mao became leader of the People's Republic of China. The Federal Republic of West Germany was founded, and in Asia, Indonesia, Laos, and Cambodia became independent. The USSR exploded its first A-bomb and in America, the minimum wage went from 40 cents to 75 cents an hour. In Camden, NJ, a war hero named Howard Unruh killed 13 of his neighbors. In New York, Martha Beck and her lover Raymond Fernandez were convicted of a series of "lonely hearts" murders, killing older women for their money. (*The Honeymoon Killers*, 1970, was about that fun couple.) In the music world, the Hucklebuck was the newest dance craze. RCA introduced the first 45 rpm records, and Ray Charles and Fats Domino recorded for the first time. Hank Williams was on country charts with "Lovesick Blues". American women wore bikinis for the first time.

(including *King Of The Rocketmen*). Old fashioned detective movies were finished. The last entries in the Charlie Chan, Boston Blackie, Lone Wolf, Crime Doctor, and Falcon series were all in '49. More realistic crime stories were taking over. It was a great year for film noir, and Robert Ryan was the best and busiest star. He was a sick millionaire, threatening his new bride in *Caught*, a psychotic war vet in *Act Of Violence*, and a boxer who refuses to take a dive in *Set Up*. He was even in *I Married A Communist*! Other classics were *White Heat* with Cagney ("Top o' the world, Ma!"), *Criss Cross*, with Burt Lancaster, *He Walked by Night*, with Richard Basehart, and *D.O.A.*, which was recently remade. Nicolas Ray made *They Live by Night* a great road/crime movie, and *Knock On Any Door*, with young John Derek, as one of the screen's first modern juvenile delinquents, being defended in court by Bogart. Nineteen forty-nine is actually year one for serious JD movies. Do whatever is necessary to see *City Across*

and a hairy monster. The Three Stooges were in seven shorts (with Shemp). Abbott and Costello Met the Killer, Boris Karloff (that's actually the title—they left off the "e" in "Meet"), and were in *Africa Screams* which featured Shemp, future Stooge Joe Besser, and a take off on the current hit *Mighty Joe Young*. Joe, the most fun movie of the year, was from the people who made *King Kong*, and featured a bunch of pro wrestlers, and Terry Moore, who later claimed she had been married to Howard Hughes and posed in *Playboy*. New film series in 1949 starred Francis, the Talking Mule (Mr. Ed's inspiration), and Ma and Pa Kettle. Lex Barker became the new Tarzan in *Tarzan's Magic Fountain*. For more serious '49 movies, look for *All the King's Men* about the rise and fall of a fictionalized Huey Long (who was dictator of Louisiana before he was assassinated), and *The Third Man* with Orson Welles as Harry Lime, selling bad penicillin in war-torn Vienna for profit, a character who would feel at home in 1989. ●

HOUND'S EYE

by JAMES MARSHALL



Miss Cordell Jackson.



JUDY MCGUIRE

Last year Sony paid a whopping two billion dollars for Columbia Records and its subsidiaries. Fine you say, send Mikey Jackson, Billy Joel, and Paul Simon to Japan for good. I feel pretty much the same way, but aside from the one good thing about this latest corporate takeover—we'll finally get digital audio tape (DAT) machines in America (something infinitely more useful than those lousy CD's they're shoving down our throats)—it means that much of the great stuff in Columbia's vault may never become available. Because when you're spending two bil on a record company you have to worry about whether Michael Jackson's next one is gonna sell a hundred million "units" or not. Things like alternate takes of Robert Johnson (which Columbia has, but never issued, although it's all been bootlegged a couple of times) and restoring the drums to The Stooges' *Raw Power* are strictly small 'tators.

Rock 'n' roll has always been the domain of small labels and if you are asking yourself why everything that passes itself off as r&r these days is such homogenized excrement, take a

look at the corporate super-structures that control distribution, airplay, the press, etc. These conglomerates are run much like banks. (They look at a recording advance as an initial investment to be held against an artist's royalties, etc.). The odds of something raw and exciting fighting its way through the geek accountants is pretty unlikely. Independent record labels (those without the benefit of a major distribution system such as those owned and operated by Columbia, Warner/Atlantic, RCA, Capitol, MCA or Polygram) have always found the going tough, from getting their product into the stores to (especially) getting paid by one-stop distributors, but that's always where rock 'n' roll has flourished. The great old rock 'n' roll indies are mostly gone. Chess is owned by MCA (bought in a sleazy mafia deal for a mere million bucks last year, eight million less than it sold for back in 1970, go forth and figure...), Sun and Vee Jay lay virtually dormant in America (although Charley records of England has done a great job of re-issuing old material on the former, not such a great job on the latter),

Imperial is owned by Capitol which never even saw fit to put together a good Fats Domino re-issue, etc. Ad infinitum...

Moon records of Memphis, Tennessee is still owned and operated by its founder Cordell Jackson and, while Sony may never pay two billion for it, it keeps the traditional homemade rock 'n' roll spirit alive in its own small way.

Miss Cordell Jackson began with a one-track recording machine issuing rockabilly singles on Moon in the late '50s. These discs include some of the most unusual and excellent records of the era—"Dateless Night" by Allen Page, "Leopard Man" by Joe Wallace, "Outta Tune" by the Big Four—not household names but ones that make collectors' palms sweaty—for they are the sound of real rock 'n' roll, the kind that big corporations want no part of.

In addition to her job of owning, operating and producing Moon discs, Cordell was and is a musician and songwriter in her own right. The last two Moon sides issued bear her name—Cordell Jackson—"Knockin' Sixty" a four-song EP of her guitar instrumentals, and "Football Widow", a country ballad that charted in some Southern cities in the late '70s. Fine discs they are, but nothing could prepare you for the shock of her live performances. Cordell, age 65, looking every bit the genteel southern lady that she is in her pink silk dress and rhinestone-framed glasses, plays some of the nastiest, bluesiest, most distorted guitar to be heard in the last 30 years. Her over-amplified boogie can only be compared to great and crazy Memphis guitar players of the past: Pat Hare (who recorded with Muddy Waters, James Cotton and others before fulfilling the prophesy of his own song "I'm Gonna Murder My Baby"—he died in prison for it); Willie Johnson (who lends more than a dash of psychosis to Howlin' Wolf's early Memphis sides) and Paul Burlison (first over-distorted white man when he recorded with the Johnny Burnette Trio in the mid-'50s, today he can be heard with the Sun Rhythm Section, still playing fine R&R guitar). Midway through one of her grinding instrumentals like "Memphis Moon Rock" or "Knockin' 60" Cordell may look up from her fretboard long enough to absorb the pure violence in her tone and smile faintly the knowledge found only in the invocation of a sound, the kind you can't hear much anymore. Baby, that's rock 'n' roll. Moon records are available via mail order: write Moon, 333 Scenic Highway, Memphis, Tennessee 38128. ●

TOP 100

IT'S BACK!

OBOY! TRUE LOVE HITS THE

WOW!

I LOVE KELLY BUNDY!

Boy! THAT KELLY BUNDY!

VA VA VOOM! WOTTA DOLL!

ME-I GO FOR PEG!

IS THAT OTHER KID'S NAME REALLY BUD?

WAY TO GO!

ME TOO!

AHEH AHEH!

HEY! ALRIGHT!

DON'T BE CHEAP! SEND SOME MONEY TO THE NORMLTHON! (SPARE CHANGE ACCEPTED!)

NOTE: THE TOP 100 WELCOMES ALL VOICES OF DISSSENT

LIKE THIS ONE (NOT THAT WE AGREE!)

AS IF YOU COULDN'T TELL!

1. CHRIS + GREG'S THE ULTIMATE PARTY HOUSE
2. UPSIDE DOWN **BONG HITS**
3. AXL ROSE + SLASH
4. BOMER + DOKE (THE ULTIMATE PARTY BOYZ OF H.B.)
5. LED ZEPPELIN
6. GRATEFUL DEAD
7. ICE COLD **BONG HITS**
8. LEGALIZE POT
9. PINK FLOYD
10. SEX
11. **NORML**
12. **BUDS**
13. GUNS 'N' ROSES
14. CHRIS + GREG'S ULTIMATE PARTY HOUSE SAYS: "SAY NO TO DORITOS" - WE'RE BOYCOTTING DORITOS BECAUSE EVERY TIME YOU BUY A PACKAGE THEY SEND MONEY TO THE SAY NO TO DRUGS CAMPAIGN.
15. **PEACE**
16. NO TAXATION WITHOUT LEGALIZATION
17. S.M.I.Z.L.E.
18. THE WEEKEND SPECIAL - THE ULTIMATE BURLINGTON VT. PARTY HOUSE
19. GETTING HIGH AT THE SPIRAL (WOODSIDE ROCKS)
20. JIMI HENDRIX
21. THE SEARCH FOR THE ETERNAL BUZZ
22. BONGS - THE WISE HEALTH CHOICE
23. FTN (FUCK THE NAVY)
24. **LED**
25. MARRIED WITH CHILDREN (AL + PEG - REAL AMERICANS)
26. Jesus the Lord
27. DEAN + TAMMY - 5 YEARS
28. NORTHERN CALIFORNIA POT GROWER'S GAME
29. Super DAVE
30. SNOW *BOARDING*
31. RUSH (THE BAND)
32. MY PAL "BOB BONER" (NOT HIS REAL NAME)
33. Rastafari
34. SLAMMIN' WATUSIS (THE BAND)
35. BUSHNARKS (HALLUCINATIONS)
36. FREEDOM
37. '88 BONG HIT OLYMPICS (JACK, GIZMO, TED, FLOYD)
38. MISFITS
39. SEX ON "X" IN A GROW ROOM
40. MOTORHEAD ("IT'S MORE THAN AN EXPERIENCE, IT'S A GAME!")
41. COSMIC WIMPOUT
42. CEILING PATROL
43. UB40
44. DE COCKUS/DE BUSH ONE FUCKIN' THING AFTER ANOTHER
45. METALLICA
46. MINNESOTA GRASSROOTS PARTY
47. MCSTAIN
48. BOB WEIR'S VOICE
49. MATANUSKA
50. FIRE IT UP!
51. KELLY BUNDY (MARRIED WITH CHILDREN)
52. SKIN ON SKIN
53. GOING TO THE ZOO (ON 'SHROOMS)
54. ASKED
55. A GIRL WHO GETS WASTED OFF OF ONE BEER (A VERY CHEAP DATE)
56. 1960s Muscle Cars
57. STAY OUT OF MY GARDEN!
58. BARBARA DARE (X-RATED MOVIE STAR)
59. HASH BASH '89! (FREE POT + BEER)
60. THE SAFE DRUGS MOVEMENT
61. SEX IN AN ELECTRO-MAGNETIC FORCE FIELD
62. MAGIC CARPET RIDES
63. SAY "EH!"
64. ZERO (SAN FRANCISCO'S BEST NEW BAND)
65. YOUR RIGHT TO VOTE MURRAY ROTHBARD
66. STEALING SHOTGUNS FROM POLICE CARS
67. GOD
68. VOLUNTARY PSYCHOLOGY EXPERIMENTS
69. "TOO-STONED" ARIZONA
70. A BAG OF POT AND KNOW ONE TO SHARE IT WITH
71. JEN LOVES AARON
72. HARVEST FEST, (PAT MADTOWN, WI) (PAT JEFF)
73. REGGAE
74. GUNTHER TOODY ON CAR 54
75. SPOCK
76. DISCO (X) BISQUITS
77. RT'S BONG PARTIES
78. DESTROYING JOHN'S YUGO IN N.J.
79. ELLIE RIO
80. THE MEANING OF BUDWEISER: BECAUSE U DESERVE WHAT EVERY INDIVIDUAL SHOULD ENJOY REGULARLY
81. THE STONES
82. LISTENING TO J.D. BLACKFOOT'S "THE ULTIMATE PROPHECY" ON FOUR HITS OF LSD WHILE BANGIN' SPACE CASE KAREN.
83. HUNTING GROUSE
84. HUNTING DEER
85. HUNTING BEAVER
86. BONG HITS DURING THE BUNDYS
87. THE SOUND OF LIGHTNING CUTTING THROUGH THE SILENT NIGHT.
88. POT - STEP CLOSER TO GOD
89. GET READY FOR BETTY (TWO-FOOT LONG BETTY BONG)
90. THE VILLAGE IDIOTS (A BAND)
91. STARING AT MY PLANTS FOR HOURS, AND TELLING THEM HOW STONED THEY ARE GOING TO GET US.
92. LEAP FROG THE MIDDLE MAN
93. THE "HOWITZER" (MY HOMEMADE BONG)
94. THE GET RED CREW (OUR SOFTBALL TEAM)
95. SEX with my best friend + HER BOYFRIEND
96. RESIN-DIPPING THAI WEED
97. D.H.R. (DEAD HEADS RULE)
98. HIPPIES ARE BORING (BOTH TRENDY AND ARCHAIC)
99. SLEEPING IN JELLO (OR WAS IT THAT ACID I DROPPED)
100. SPOCK

NOTE: MARRIED WITH CHILDREN IS JOHN HOLMSTROM'S FAVORITE TV SHOW! (THE GUY WHO COUNTS THE VOTES + DRAWS THE TOP 100) (THAT'S ME!)

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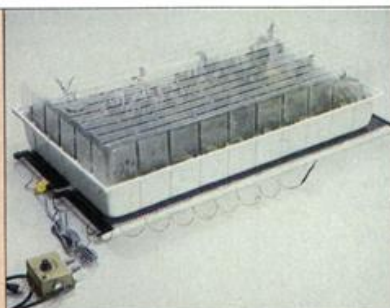
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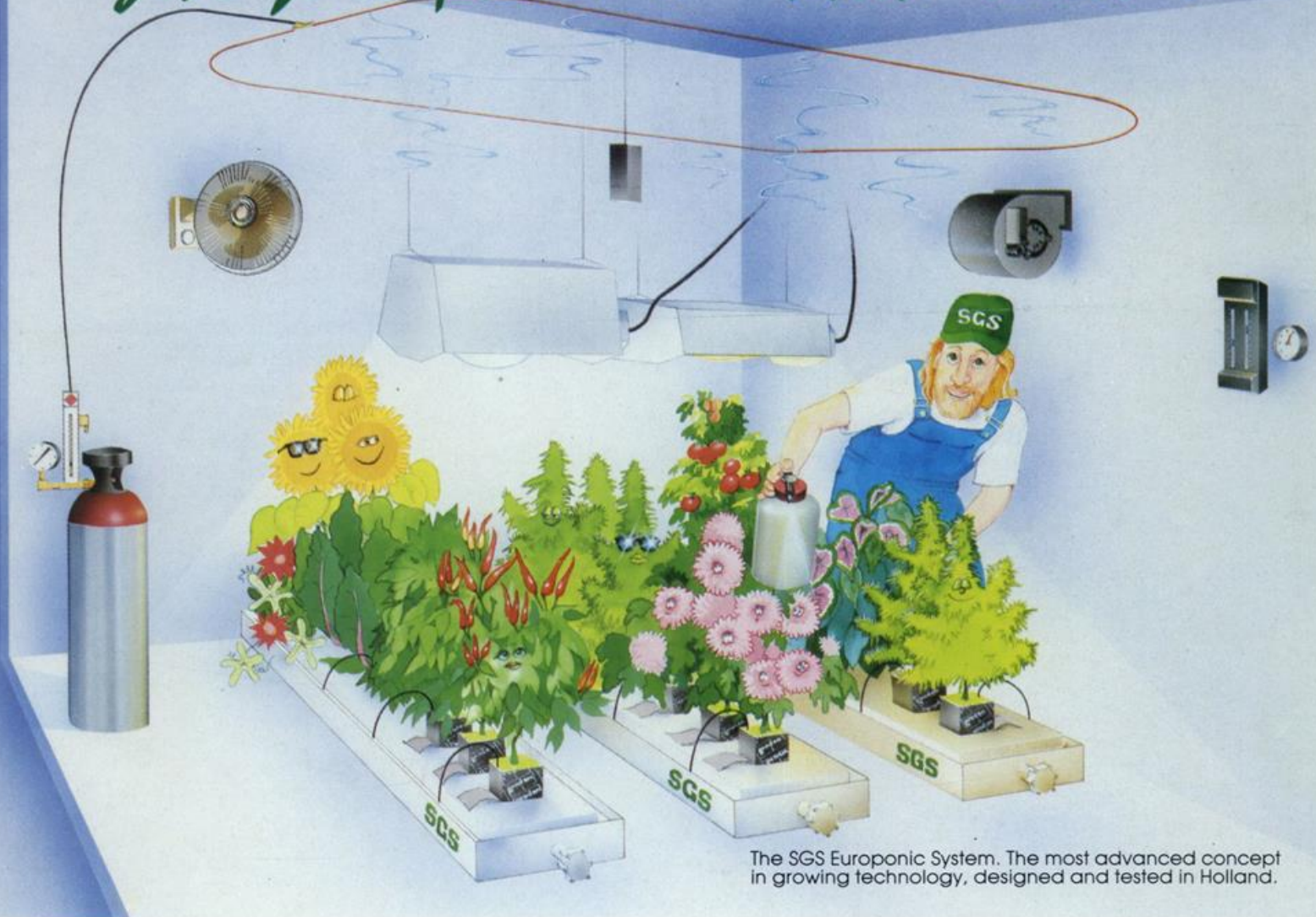
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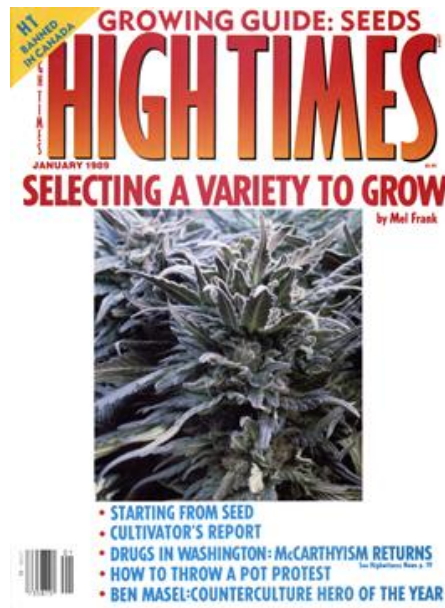
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